Winnipeg

# 2007

# Preliminary Capital Budget

2008 to 2012

Five Year Forecast



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

January 12, 2007

**TO ALL MEMBERS OF COUNCIL:**

**Re: Preliminary 2007 Capital Budget**
**- and the -**
**2008 to 2012 Five Year Forecast**

We are very pleased to submit this preliminary capital investment plan for the City of Winnipeg for the years 2007 to 2012.

The 2007 draft Capital Budget attacks the infrastructure deficit in our City, estimated at close to $2 billion and growing – a problem magnified by construction inflation, estimated to average 30% on City projects of all types in 2006.

To address this, Winnipeg must accelerate investments *now* if our infrastructure is to remain safe, sustainable and competitive. With this in mind, the draft 2007 Capital Budget invests federal and provincial dollars into priority road, bridge and transit projects, and uses public-private partnerships (P3s) to accelerate projects which might otherwise be delayed for many years.

This six-year plan authorizes $2 billion in work on City capital projects. Our focus for new resources continues to be our roads and bridges, In 2007, authorizations for this priority are up by 148% over the 2006 level.

P3s include a private sector partner to facilitate project management and transfer risk. Road and bridge projects eligible for P3 financing in the 2007-2012 plan include repair of the Disraeli Bridge and widening of McGillivray Boulevard. Other (conventional) projects include an eastern extension of the Chief Peguis Trail, widening of Inkster Boulevard, design work for the Kenaston Boulevard widening, and an upgrade of the Fort Garry Bridge. Finally, the $498 million, six-year roads and bridges plan includes $12 million to improve and synchronize traffic signals.

The City of Winnipeg remains committed to pay-as-you-go financing in the tax-supported capital plan. Our "Cash to Capital" investment level is $59.5 million in 2007 – up $1.5 million net from 2006. It is budgeted to grow by a further $2 million annually from 2008 forward.

The plan includes $823 million in sewer utility projects, partly to meet the cost of complying with Clean Environment Commission requirements. In 2007, the City

is proceeding with construction of the new Water Treatment Plant at Deacon Road, enhancing the security, safety and quality of our water Citywide.

The draft six-year plan invests $48 million for public safety infrastructure. A $20 million authorization in 2007 will allow us to use a public-private partnership to accelerate construction of new police stations, improving police service. Without the P3 model, these stations could have been delayed for years to come, prolonging service disruptions and increasing cost inflation risks for taxpayers.

Finally, building on last year's plan, the City continues to reinvest in communities, through ongoing implementation of $44 million worth of recreation and leisure facilities renewal projects. The draft plan also includes $1.75 million every year for playground renewal, maintains the $1 million in riverbank stabilization funding through to 2012, offers $1.5 million for recreational bike paths in 2007, and provides capital to start the proposed 311 customer service system.

Much of the work budgeted in 2007 would not be possible without Federal and Provincial contributions, made in a climate of positive intergovernmental relationships between the City and partner governments. Federal contributions in the six-year plan include $56 million in revenue from the Canada Strategic Infrastructure Fund, $78 million from the Gas Tax agreement (budgeted through to 2009) and $25 million from the Federal Public Transit Capital Trust Fund.

Provincial support is also growing. In addition to support through the Manitoba-Winnipeg Infrastructure Program and the Building Manitoba Fund, in late 2006, the Province also committed new funding of $50 million through 2007-2008 for road improvements. The City will work with the Province to select projects for funding in these partnerships from priorities included in the City's Capital Budget.

We believe these investments reflect Winnipegger's priorities, and invite Councillors and citizens to contribute to the plan in the next two weeks as we move faster than ever to repair and renew our City's infrastructure.

Respectfully submitted,

Sam Katz,
Mayor

Mike O'Shaughnessy, Chairperson,
Standing Policy Committee on Finance

## *RECOMMENDATIONS*

1. a) That the 2007 Capital Budget totalling $424,323,000, requiring borrowing authority totalling $74,251,000 for the Waterworks System, the Sewer System, Local Improvements and the Transit System be reviewed and submitted to Council for adoption; and

   b) That the 2008 to 2012 Five Year Capital Forecast also be reviewed and submitted to Council for adoption in principle.

2. That lease payments on tax supported Public Private Partnerships be funded annually from the cash to capital contribution in the operating budget up to a maximum of 25% of the cash to capital amount, including the lease payment on the previously approved Charleswood Bridge Project.

3. That the Administration pursue the Private Public Partnership opportunities as presented in the budget and undertake appropriate due diligence to make recommendation on this approach for each project.

4. That the tax supported cash to capital contribution be as follows:

| Year | $ Millions |
|---|---|
| 2007 | 59.478 |
| 2008 | 61.478 |
| 2009 | 63.478 |
| 2010 | 65.478 |
| 2011 | 67.478 |
| 2012 | 69.478 |

5. That, pending the final amendment of the gas tax agreements enabling the City to invest its gas tax funds directly in roads and bridges, the Chief Administrative Officer be given the authority to redistribute federal gas tax revenue and other financing sources among approved capital projects, provided the total approved financing is not exceeded, to ensure the most effective use of federal gas tax revenues.

6. That the City work with the Province on project selection for funding under the Manitoba/Winnipeg Infrastructure Program (MWIP) and the Provincial funding for road improvement projects from priorities included in the City's Capital Budget.

7. a) That the City negotiate a new Building Communities program on a 50/50 basis with the Province, and that the Chief Administrative Officer be delegated the authority to finalize details such as program design, amount and timing; and

   b) That capital funds of $650,000 in the 2006 Special Innovative Capital project be transferred to the proposed 2007 Building Communities program, and that matching Provincial funds be identified under MWIP in future capital budgets once a Building Communities agreement has been reached.

8. That the City actively negotiate with the Province of Manitoba and Government of Canada for a new multi-year cost sharing agreement for the purpose of funding environmental projects (e.g. sewer projects, including the Clean Environment Commission reference to Lake Winnipeg) due to new regulatory requirements.

9. That surplus capital funds of $1,100,000 in the 2006 Bus Radio System Replacement with AVL Enhancement project be transferred to the 2007 Fare Collection System project.

10. That Transit Bus projects be combined effective 2006 to provide the flexibility to schedule the purchase of regular and articulated hybrid buses as operational requirements and production schedules allow.

11. That the transfers from utility operations, reserves and other funds outlined in the capital budget submission be approved, with cash flows to be determined by the Chief Administrative Officer.

12. That Council approve the cancellation of $25,532,693 of unused capital borrowing authority as follows:
    - Solid Waste - $9,998,000;
    - Waterworks - $9,510,000; and
    - Sewage Disposal - $6,024,693.

    [Note: The borrowing authority for these capital projects was originally approved in 1989-1998. These projects were financed through other sources (e.g. retained earnings) or were underexpended.]

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

14. 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.

# BALANCING...

**Infrastructure deficit/ Protecting the environment**

**Affordability**



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# HIGHLIGHTS

- **Capital investment plan:**
  - **$2 billion over the next 6 years**
  - **$424.3 million in 2007**
  - **Focus on investment in sewer and water systems, roads and bridges, transit, police systems and infrastructure, and community facilities**
- **Public Private Partnership opportunities**
- **Includes recently announced provincial funding of $50 million over 2 years for road improvements**
- **Cash to Capital $59.5 million in 2007**

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# AREAS OF MAJOR CAPITAL INVESTMENT

**The six year plan includes:**

- **$823 million for sewage disposal projects**
- **$498 million for roads and bridges**
- **$164 million for the water system**
- **$145 million for the transit system**
- **$82 million for land drainage and flood control**
- **$43 million for police systems and infrastructure**
- **$31 million to complete the implementation of the recreation and leisure facilities initiative**



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# PROTECTING OUR ENVIRONMENT

- **Upgrades for wastewater collection and treatment**
- **Water treatment plant**
- **Combined sewer overflow management**
- **Land drainage and flood protection**
- **Transit improvements including regular and diesel-electric hybrid buses**
- **Recreational walkways and bike paths**
- **Reforestation**



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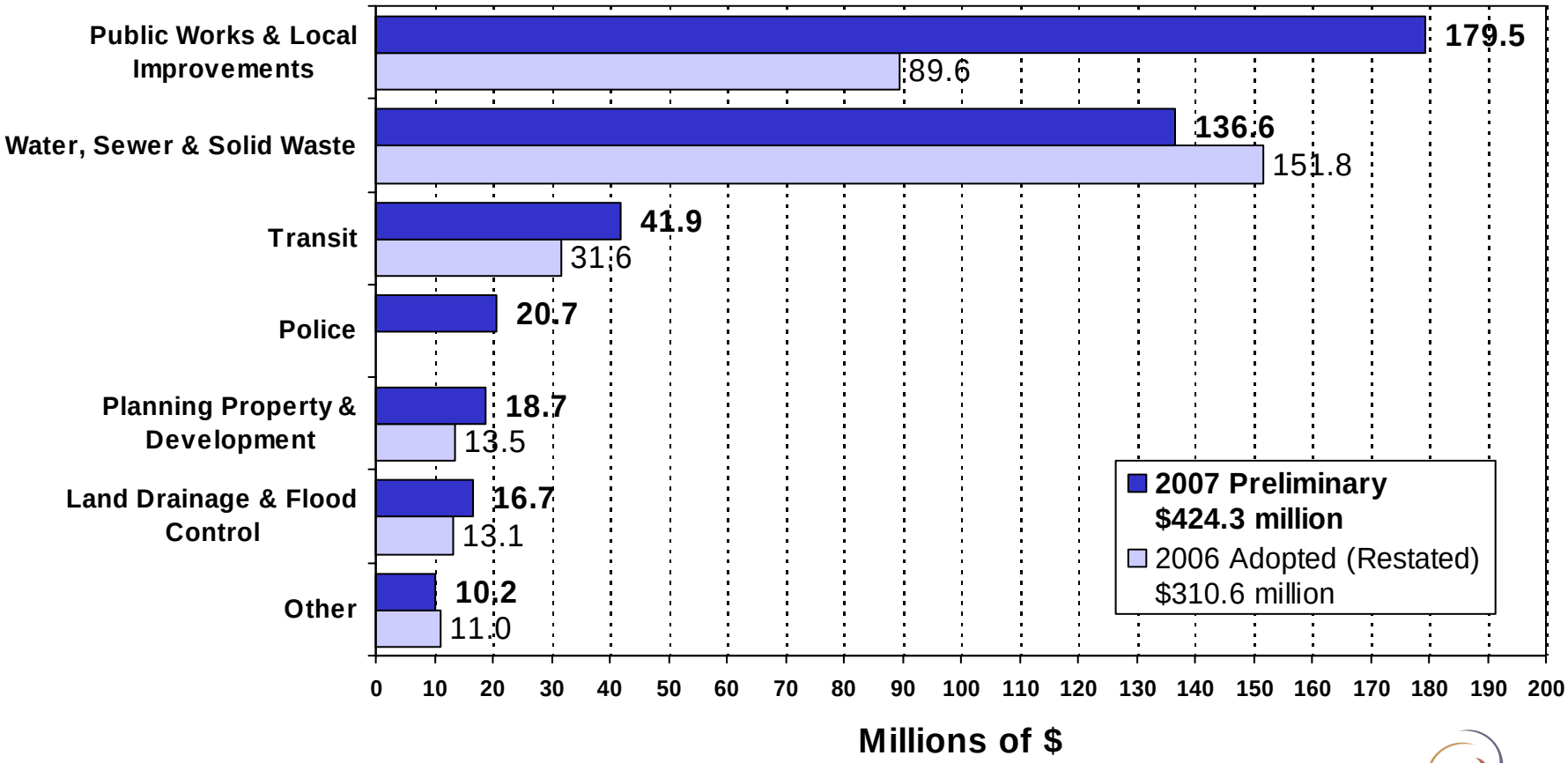
# CAPITAL PROJECTS (Authorizations)

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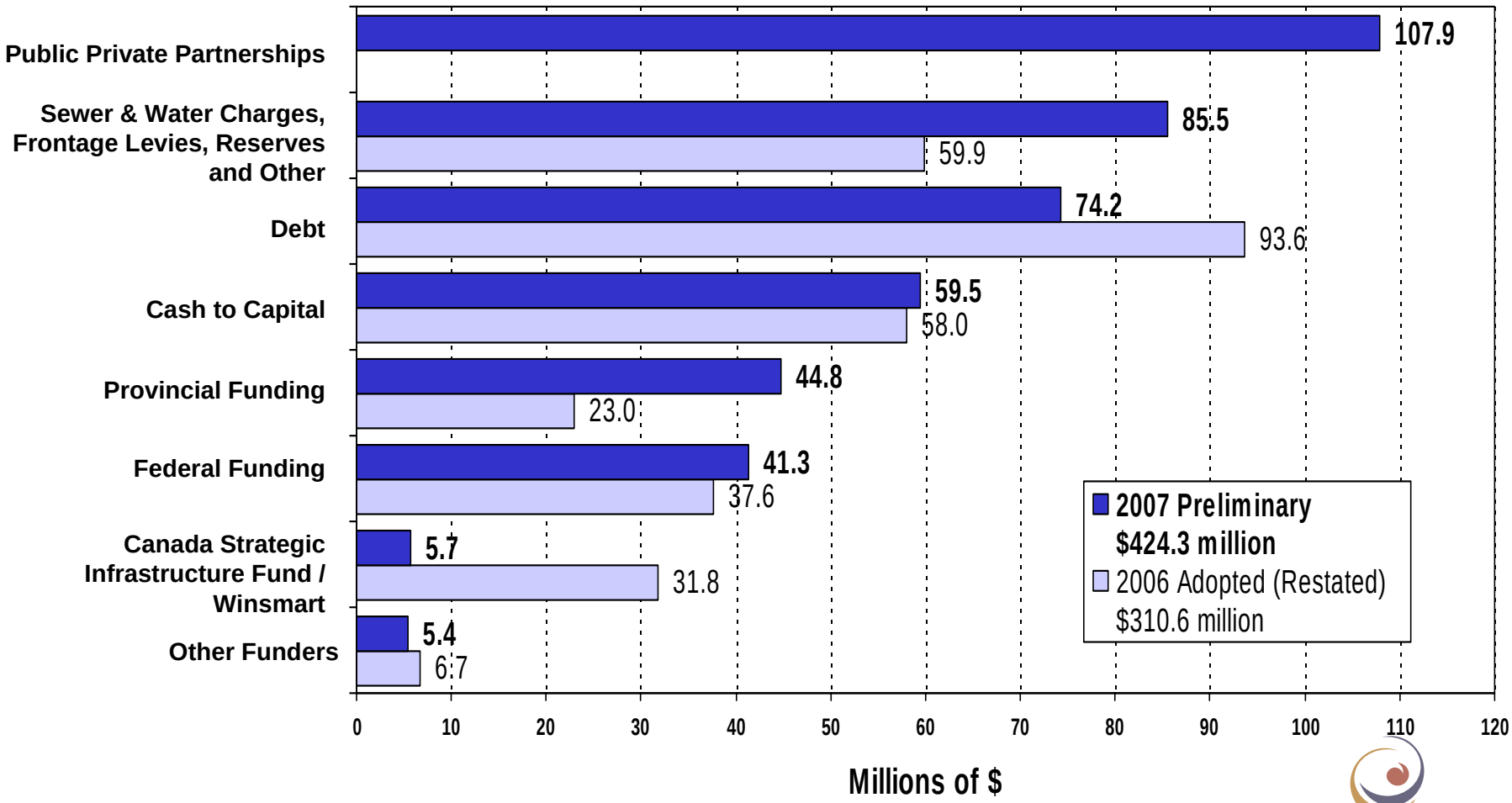
# CAPITAL FINANCING

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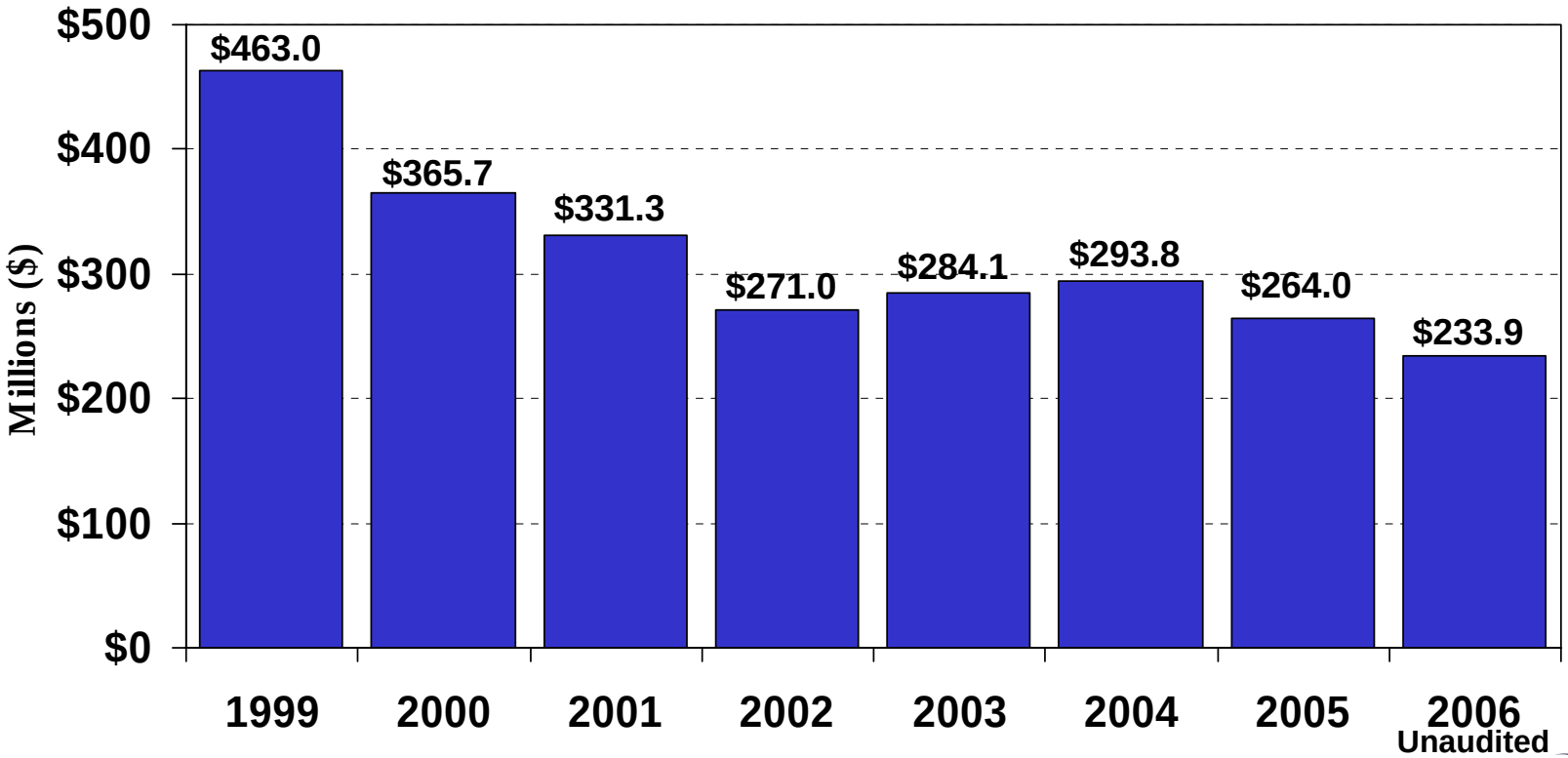
# TAX SUPPORTED NET DEBENTURE DEBT




Notes: Tax supported net debenture debt decreased by 49% from 1999 to 2006.

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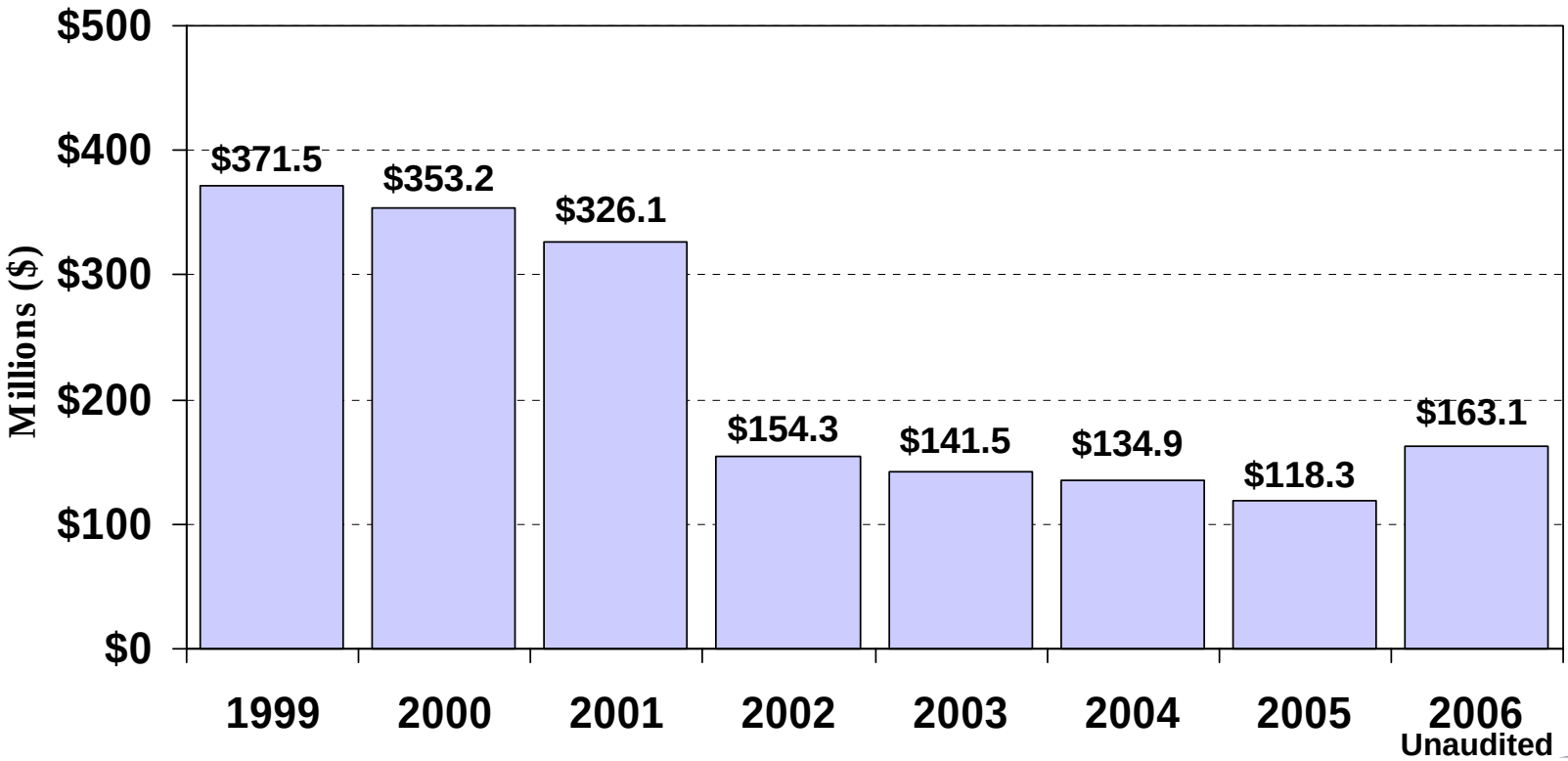
# UTILITY NET DEBENTURE DEBT




Notes: Utilities (including Civic Accommodations and Transit) net debenture debt decreased by 56% from 1999 to 2006.

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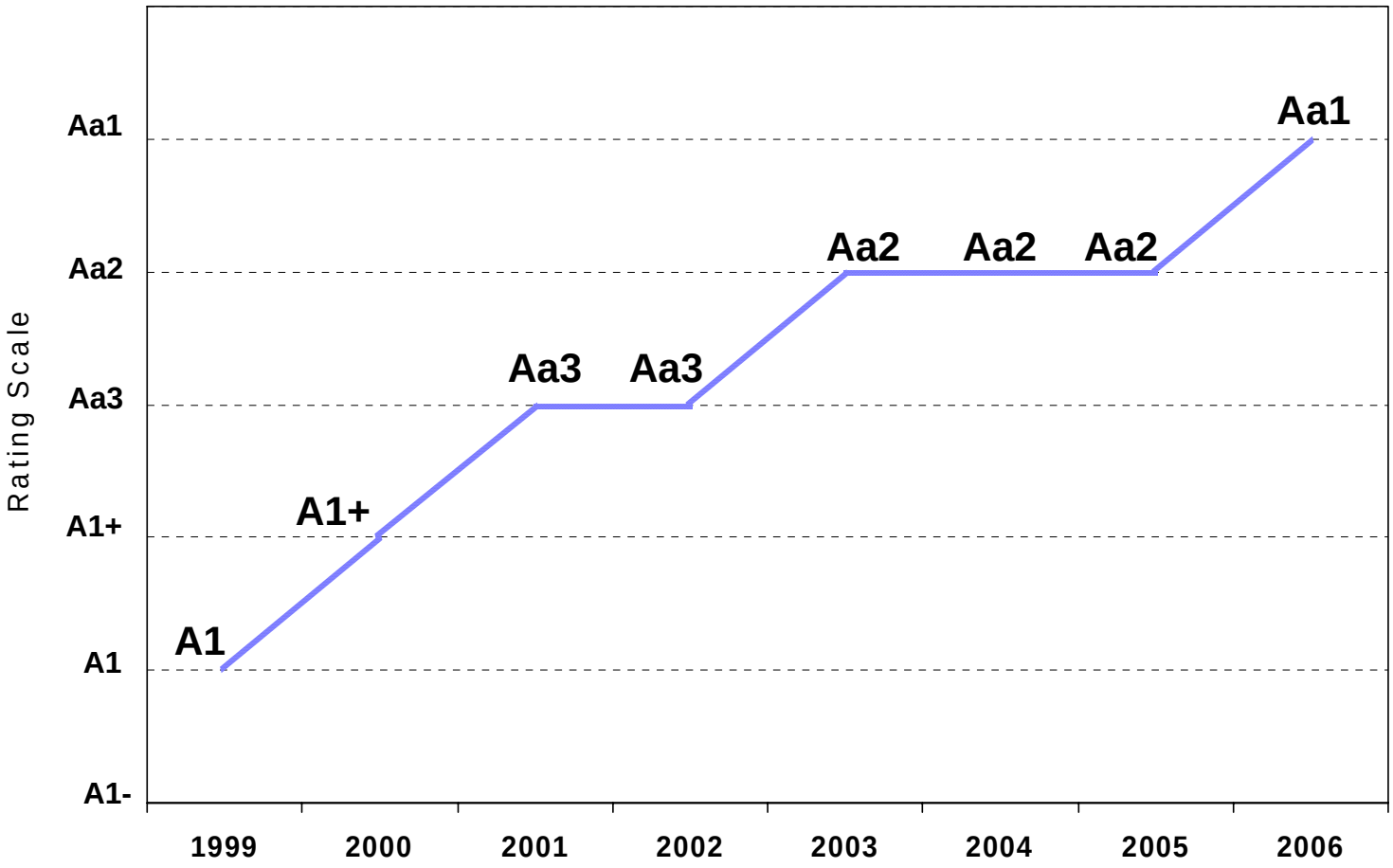
# CREDIT RATING




Source Moody's Investors Service

Winnipeg

# Preliminary 2007 Capital Budget and 2008 to 2012 Five Year Capital Forecast



Executive Policy Committee
January 12, 2007

Winnipeg

Winnipeg

The City of Winnipeg

# CAPITAL PROJECTS SUMMARY

## Preliminary 2007
## Capital Budget

**and**

## 2008 to 2012
## Five Year Forecast

January 12, 2007

**Note:**
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).

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| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| **SUMMARY OF CAPITAL PROGRAM** | | | | | | | |
| **TAX-SUPPORTED** | | | | | | | |
| Public Works | 176,946 | 111,732 | 103,878 | 58,048 | 62,710 | 63,341 | 576,655 |
| Local Improvements | 2,569 | 11,600 | 1,600 | 1,600 | 1,600 | 1,600 | 20,569 |
| Land Drainage and Flood Control | 16,650 | 14,049 | 12,500 | 12,725 | 12,650 | 12,940 | 81,514 |
| Community Services & Community Incentive Grants | 3,524 | 3,231 | 7,959 | 5,188 | 3,758 | 8,638 | 32,298 |
| Winnipeg Police Service | 20,655 | 9,843 | 2,115 | 4,327 | 500 | 5,800 | 43,240 |
| Fire Paramedic Service | | 1,600 | | 2,600 | | 840 | 5,040 |
| Planning, Property and Development (excluding Civic Accommodations) | 5,750 | 5,700 | 5,865 | 5,150 | 5,150 | 5,340 | 32,955 |
| City Clerks | | | 1,850 | 400 | 200 | 200 | 2,650 |
| Corporate Information Technology | 2,325 | 1,114 | 1,139 | 2,419 | 3,619 | 2,473 | 13,089 |
| Property Assessment | 500 | 500 | 1,000 | 500 | | | 2,500 |
| Other Projects | 3,946 | 120 | | | 305 | | 4,371 |
| **Tax-Supported General** | 232,865 | 159,489 | 137,906 | 92,957 | 90,492 | 101,172 | 814,881 |
| Civic Accommodations | 12,909 | 4,833 | 7,167 | 5,500 | 1,700 | 3,024 | 35,133 |
| Transit | 41,908 | 19,985 | 24,962 | 18,662 | 19,400 | 19,710 | 144,627 |
| **Total Tax-Supported Including Transit and Civic Accommodations** | 287,682 | 184,307 | 170,035 | 117,119 | 111,592 | 123,906 | 994,641 |
| **UTILITIES** | | | | | | | |
| Waterworks System | 84,675 | 13,925 | 15,425 | 12,825 | 16,625 | 20,600 | 164,075 |
| Sewage Disposal System | 51,466 | 97,472 | 139,555 | 128,335 | 195,255 | 210,530 | 822,613 |
| Solid Waste Disposal System | 500 | 2,100 | 1,445 | 6,600 | 300 | 300 | 11,245 |
| **Total Utilities** | 136,641 | 113,497 | 156,425 | 147,760 | 212,180 | 231,430 | 997,933 |
| **TOTAL CAPITAL PROGRAM** | 424,323 | 297,804 | 326,460 | 264,879 | 323,772 | 355,336 | 1,992,574 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2007 Budget | FORECAST | | | | | 2007-2012 6 YEAR TOTAL BUDGET |
| | | 2008 | 2009 | 2010 | 2011 | 2012 | |
| **SUMMARY OF FINANCING SOURCES** | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 59,478 | 61,478 | 63,478 | 65,478 | 67,478 | 69,478 | 386,868 |
| Public Private Partnership Lease Payments | (1,478) | (1,478) | (2,470) | (14,547) | (14,547) | (14,547) | (49,067) |
| Frontage Levy | 26,580 | 26,580 | 26,580 | 26,580 | 26,580 | 26,580 | 159,480 |
| Reserves: | | | | | | | |
| - Transit Bus Replacement | 5,885 | 6,098 | 8,420 | 9,797 | 11,135 | 12,445 | 53,780 |
| - Water Treatment | 8,500 | | | | | | 8,500 |
| - Environmental | 6,420 | 7,700 | 11,500 | 12,980 | 18,000 | 21,700 | 78,300 |
| - Land Operating | 2,737 | | | | | | 2,737 |
| - General Purpose - payment from / (repayment to) | 3,373 | 2,482 | (12) | (250) | (9,000) | | (3,407) |
| Interim Financing (Repayment) | (916) | 8,077 | (1,658) | (7,164) | | | (1,661) |
| Contributions from Other Levels of Government: | | | | | | | |
| - Canada Strategic Infrastructure Fund | 5,125 | 5,125 | 24,246 | 21,539 | | | 56,035 |
| - Federal Gas Tax | 16,413 | 20,514 | 41,029 | | | | 77,956 |
| - Public Transit Capital Trust Funds | 24,860 | | | | | | 24,860 |
| - Winsmart - Urban Transportation Showcase | 588 | 62 | | | | | 650 |
| - Manitoba Winnipeg Infrastructure Program | 11,666 | 11,666 | 11,666 | 11,666 | 11,666 | 11,670 | 70,000 |
| - Building Manitoba Fund | 10,840 | 10,840 | 10,840 | 10,840 | 10,840 | 10,840 | 65,040 |
| - Unallocated Provincial Funding | 21,000 | 29,000 | 25,000 | 25,000 | 25,000 | 25,000 | 150,000 |
| - Provincial payment for gap in Transit Gas Tax Formula | 1,280 | | | | | | 1,280 |
| Other Funders: | | | | | | | |
| - Developers | 5,413 | 819 | 1,084 | 875 | | | 8,191 |
| - Public Private Partnership Authorization | 107,905 | 9,681 | | | | | 117,586 |
| Utilities Retained Earnings | 29,120 | 49,900 | 28,145 | 31,455 | 25,100 | 27,350 | 191,070 |
| Debt (Utilities, Local Improvements, Transit - FCM Loan) | 74,251 | 38,337 | 72,745 | 70,630 | 151,520 | 164,820 | 572,303 |
| Other | 5,283 | 10,923 | 5,867 | | | | 22,073 |
| **TOTAL FINANCING SOURCES** | 424,323 | 297,804 | 326,460 | 264,879 | 323,772 | 355,336 | 1,992,574 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
|---|---|---|---|---|---|---|---|---|
| **CAPITAL PROJECTS LISTING** | | | | | | | | |
| ***PUBLIC WORKS*** | | | | | | | | |
| ***Regional Streets*** | | | | | | | | |
| **Street Improvements** | | | | | | | | |
| Recreational Walkways and Bike Paths - Various Locations | 3-1 | 1,500 | 1,500 | 1,000 | 1,000 | 1,000 | 1,000 | 7,000 |
| Traffic Signals Enhancement | 3-2 | 500 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 12,000 |
| New Regional Sidewalks | 3-3 | 250 | 250 | 250 | 250 | 250 | 250 | 1,500 |
| Developer Payback - Various Locations | 3-4 | 525 | 1,550 | 250 | 1,250 | | 7,726 | 11,301 |
| Kenaston Blvd - Academy Rd to Taylor Ave (including functional design in 2007) | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 1,600 | 100 | | 100 | 100 | 100 | 2,000 |
| - Federal Gas Tax | | | | 100 | | | | 100 |
| Total Kenaston Blvd - Academy Rd to Taylor Ave | 3-5 | 1,600 | 100 | 100 | 100 | 100 | 100 | 2,100 |
| Traffic Engineering Improvement - Various Locations | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 500 | 500 | | 500 | 500 | 500 | 2,500 |
| - Federal Gas Tax | | | | 500 | | | | 500 |
| Total Traffic Engineering Improvement - Various Locations | 3-6 | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| St Anne's Rd - Southglen Blvd to Aldgate Rd | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 3,687 | | | | | | 3,687 |
| - Developer Funding | | 1,913 | | | | | | 1,913 |
| Total St Anne's Rd - Southglen Blvd to Aldgate Rd | 3-7 | 5,600 | | | | | | 5,600 |
| Inkster Blvd - Keewatin St to Brookside Blvd | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | | 1,100 | 5,686 | 6,270 | | | 13,056 |
| - Developer Funding | | | | 584 | | | | 584 |
| Total Inkster Blvd - Keewatin St to Brookside Blvd | 3-8 | | 1,100 | 6,270 | 6,270 | | | 13,640 |
| McGillivray Blvd - Waverley St to Columbia Dr | | | | | | | | |
| - Public Private Partnership | | | 9,681 | | | | | 9,681 |
| - Cash to Capital (Equity in Capital Assets Fund) | | | | | 787 | 787 | 787 | 2,361 |
| - Developer Funding | | 1,500 | 319 | | | | | 1,819 |
| - Public Private Partnership Lease Payments | | | | | (787) | (787) | (787) | (2,361) |
| Total McGillivray Blvd - Waverley St to Columbia Dr | 3-9 | 1,500 | 10,000 | | | | | 11,500 |
| **Total Street Improvements** | | 11,975 | 17,300 | 10,670 | 11,670 | 4,150 | 11,876 | 67,641 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 | FORECAST | | | | | 2007-2012 6 YEAR TOTAL |
| | | Budget | 2008 | 2009 | 2010 | 2011 | 2012 | BUDGET |
| **Regional and Local Streets (see Schedule 1)** | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 24,048 | 16,589 | 20,805 | 21,654 | 35,490 | 25,210 | 143,796 |
| - Federal Gas Tax | | 13,970 | 17,460 | 26,020 | | | | 57,450 |
| - Provincial Building Manitoba Fund - Roads | | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 42,000 |
| **Total Regional and Local Streets** | 3-10 | 45,018 | 41,049 | 53,825 | 28,654 | 42,490 | 32,210 | 243,246 |
| **Waterway Crossings and Grade Separations** | | | | | | | | |
| Hamilton Ave Bridge (Sturgeon Creek) | 3-12 | 2,000 | | | | | | 2,000 |
| Sturgeon Rd Bridge (Sturgeon Creek) | 3-13 | | | | | 1,500 | 6,500 | 8,000 |
| Osborne St Bridge (Assiniboine River) | 3-14 | | | | 1,100 | 5,000 | 2,500 | 8,600 |
| Jubilee Ave Overpass (Pembina Hwy) | 3-15 | | | 600 | 5,500 | | | 6,100 |
| Waverley St / CN Mainline Grade Separation | 3-16 | | | | 908 | | | 908 |
| Waterway Crossing and Grade Separations - Annual Program | 3-17 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 12,000 |
| Disraeli Bridge and Overpass Facility | | | | | | | | |
| - Public Private Partnership | | 91,000 | | | | | | 91,000 |
| - Cash to Capital (Equity in Capital Assets Fund) | | | | | 10,297 | 10,297 | 10,297 | 30,891 |
| - Public Private Partnership Lease Payments | | | | | (10,297) | (10,297) | (10,297) | (30,891) |
| Total Disraeli Bridge and Overpass Facility | 3-18 | 91,000 | | | | | | 91,000 |
| Culvert Replacement Program - St. Matthews Ave (Omand's Creek) | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 200 | | | | | | 200 |
| - Federal Gas Tax | | | | 1,600 | | | | 1,600 |
| Total Culvert Replacement Program - St. Matthews Ave (Omand's Creek) | 3-19 | 200 | | 1,600 | | | | 1,800 |
| Fort Garry Bridge Rehabilitation and Widening | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 1,000 | 9,000 | 300 | | | | 10,300 |
| - Federal Gas Tax | | | | 6,700 | | | | 6,700 |
| Total Fort Garry Bridge Rehabilitation and Widening | 3-20 | 1,000 | 9,000 | 7,000 | | | | 17,000 |
| Charleswood Bridge (restated from operating budget; no net impact) | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 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 | 3-21 | | | | | | | |
| **Total Waterway Crossings and Grade Separations** | | 96,200 | 11,000 | 11,200 | 9,508 | 8,500 | 11,000 | 147,408 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| **New Transportation Facilities** | | | | | | | | |
| Chief Peguis Trail - Henderson Hwy to Lagimodiere Blvd | 3-22 | 1,300 | 15,700 | 17,800 | | | | 34,800 |
| **Other Streets Projects** | | | | | | | | |
| Asset Management System - Various Divisions | 3-23 | 200 | 100 | | 100 | 100 | 100 | 600 |
| Land Drainage Sewers - Regional / Local Streets | 3-24 | 250 | 150 | 150 | 150 | 150 | 150 | 1,000 |
| Pembina Hwy and Grandmont Blvd Riverbank Stabilization - First Call on 2007 Capital Budget (Council December 6, 2006) | 3-25 | 500 | | | | | | 500 |
| Sand / Salt Storage Facility | 3-26 | 1,000 | 600 | | | | | 1,600 |
| City-wide Accessibility Program | 3-27 | 250 | 250 | 250 | 250 | 250 | 250 | 1,500 |
| **Total Other Streets Projects** | | 2,200 | 1,100 | 400 | 500 | 500 | 500 | 5,200 |
| **TOTAL STREETS PROJECTS** | | 156,693 | 86,149 | 93,895 | 50,332 | 55,640 | 55,586 | 498,295 |
| ***Parks and Open Space*** | | | | | | | | |
| Reforestation - Improvements | 3-28 | 383 | 383 | 383 | 383 | 383 | 433 | 2,348 |
| Athletic Fields - Improvements | 3-29 | 200 | 200 | 200 | 200 | 200 | 200 | 1,200 |
| Parks - Improvements | 3-30 | 900 | 1,250 | 900 | 808 | 262 | 617 | 4,737 |
| Playground Structures | 3-31 | 1,750 | 1,750 | 1,750 | 1,750 | 1,750 | 1,800 | 10,550 |
| Pathway / Roadway / Tennis Court Upgrading | 3-32 | 150 | 150 | 150 | | | 150 | 600 |
| **Total Parks and Open Space** | | 3,383 | 3,733 | 3,383 | 3,141 | 2,595 | 3,200 | 19,435 |
| ***Building Services*** | | | | | | | | |
| Community Centres - Refurbishing and Improvements | 3-33 | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| Arenas | 3-34 | 525 | 525 | 525 | 525 | 525 | 525 | 3,150 |
| Indoor Aquatic Facilities | 3-35 | 2,650 | 2,450 | 2,450 | 2,450 | 2,450 | 2,530 | 14,980 |
| Outdoor Aquatic Facilities | 3-36 | 450 | 450 | 450 | 450 | 450 | 450 | 2,700 |
| Community Facilities | 3-37 | 200 | 200 | 200 | 200 | 200 | 200 | 1,200 |
| A/C Plant Refurbishing - Ozone Depletion Act Compliance | 3-38 | 200 | | | | | | 200 |
| Fire / Life Safety Replacement / Asbestos Abatement | 3-39 | 225 | 225 | 225 | 225 | 225 | 225 | 1,350 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 | FORECAST | | | | | 2007-2012 6 YEAR TOTAL |
| | | Budget | 2008 | 2009 | 2010 | 2011 | 2012 | BUDGET |
| Security / Building Automation Systems Initiatives | 3-40 | **125** | **125** | **125** | **125** | **125** | **125** | **750** |
| Building Asset / Work Management Program | 3-41 | **250** | | | | | | **250** |
| Recreation and Leisure Facilities | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | | | | **860** | **9,000** | | **9,860** |
| - General Purpose Reserve | | **3,403** | **2,650** | | | **(9,000)** | | **(2,947)** |
| - Transfer from Sewage Disposal Utility Capital Program | | **3,217** | **923** | | **3,292** | | | **7,432** |
| - Canada Strategic Infrastructure Fund - Province | | **5,125** | **5,125** | **3,638** | **3,112** | | | **17,000** |
| - Interim Financing (Repayment) | | | **8,677** | **(1,513)** | **(7,164)** | | | |
| Total Recreation and Leisure Facilities | 3-42 | **11,745** | **17,375** | **2,125** | **100** | | | **31,345** |
| **Total Building Services** | | **16,870** | **21,850** | **6,600** | **4,575** | **4,475** | **4,555** | **58,925** |
| **TOTAL PUBLIC WORKS** | | **176,946** | **111,732** | **103,878** | **58,048** | **62,710** | **63,341** | **576,655** |
| **LOCAL IMPROVEMENTS - Ongoing Program** | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 1,789 | **680** | **225** | **80** | **80** | **80** | **2,934** |
| - Interim Financing | | (916) | **(600)** | **(145)** | | | | **(1,661)** |
| - District Receivable | | | **10,000** | | | | | **10,000** |
| - External Debt | | 1,696 | **1,520** | **1,520** | **1,520** | **1,520** | **1,520** | **9,296** |
| **LOCAL IMPROVEMENTS** | 3-44 | **2,569** | **11,600** | **1,600** | **1,600** | **1,600** | **1,600** | **20,569** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST | | | | | 2007-2012 6 YEAR TOTAL BUDGET |
| | | | 2008 | 2009 | 2010 | 2011 | 2012 | |
| ***COMMUNITY SERVICES*** | | | | | | | | |
| Community Incentive Grant Program | 3-45 | 1,393 | 1,421 | 1,449 | 1,478 | 1,508 | 1,538 | 8,787 |
| Library Replacement - Various | 3-46 | 360 | | 3,000 | | | 4,000 | 7,360 |
| Library Shelving and Furniture Replacement Program | 3-47 | 329 | | 500 | | | 200 | 1,029 |
| Integrated Property Based Information Systems | 3-48 | | | | 500 | | | 500 |
| Vehicle Guidance System & Office "Anti-Pesticide Registration" Management Software Package | 3-49 | | 160 | 160 | 160 | | | 480 |
| Renovate and Refurbish Various Library Branches | 3-50 | | 1,250 | | | | 300 | 1,550 |
| Imaging and Document Management | 3-51 | | | 250 | 250 | 250 | | 750 |
| Library Technology Upgrade and Replacement | 3-52 | | | | 500 | | | 500 |
| Recreational Facility Safety & Accessibility Improvements | 3-53 | 200 | 400 | 600 | 300 | | 400 | 1,900 |
| Library Signage, Safety and Accessibility | 3-54 | | | | | | 200 | 200 |
| Assiniboine Park Amenities Improvements / Development | 3-55 | 1,242 | | 2,000 | 2,000 | 2,000 | 2,000 | 9,242 |
| **TOTAL COMMUNITY SERVICES** | | 3,524 | 3,231 | 7,959 | 5,188 | 3,758 | 8,638 | 32,298 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 | FORECAST | | | | | 2007-2012 6 YEAR TOTAL |
| | | Budget | 2008 | 2009 | 2010 | 2011 | 2012 | BUDGET |
| ***WINNIPEG POLICE SERVICE*** | | | | | | | | |
| Renovations - 5th Floor Public Safety Building | 3-56 | | | | 500 | | | 500 |
| Automated Fingerprint Identification System (AFIS) - Palm Print Upgrade | 3-57 | 250 | | | | | | 250 |
| Emergency Exit Overpass - 4th Floor Public Safety Building to Parkade | 3-58 | | | 300 | | | | 300 |
| Replace Voice 2-Way Radio System | 3-59 | | 7,083 | 1,815 | | | | 8,898 |
| Wireless Emergency 911 Upgrade | 3-60 | | 260 | | | | | 260 |
| Automated Fingerprint Identification System (AFIS) Replacement | 3-61 | | | | | 500 | 600 | 1,100 |
| Police Priority Dispatch System | 3-62 | | | | 427 | | | 427 |
| Outdoor Shooting Range | 3-63 | | 700 | | | | | 700 |
| Central Processing Unit | 3-64 | | | | 3,400 | | | 3,400 |
| Identification Unit - Forensic Services | 3-65 | | 1,800 | | | | 5,200 | 7,000 |
| Four District Model Building Replacement | | | | | | | | |
| - Public Private Partnership | | 16,905 | | | | | | 16,905 |
| - Cash to Capital (Equity in Capital Assets Fund) | | 3,500 | | 992 | 1,985 | 1,985 | 1,985 | 10,447 |
| - Public Private Partnership Lease Payments | | | | (992) | (1,985) | (1,985) | (1,985) | (6,947) |
| Total Four District Model Building Replacement | 3-66 | 20,405 | | | | | | 20,405 |
| **TOTAL WINNIPEG POLICE SERVICE** | | 20,655 | 9,843 | 2,115 | 4,327 | 500 | 5,800 | 43,240 |
| ***FIRE PARAMEDIC SERVICE*** | | | | | | | | |
| Facilities Replacement and Relocation Program | 3-67 | | 1,600 | | 2,600 | | 840 | 5,040 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| ***PLANNING, PROPERTY AND DEVELOPMENT*** | | | | | | | | |
| ***Other Planning, Property and Development*** | | | | | | | | |
| Computer Automation | 3-68 | 300 | 185 | 165 | 200 | 200 | 200 | 1,250 |
| Land Acquisition for General Unspecified Purposes | 3-69 | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| Weather Protected Pedestrian System | 3-70 | 115 | | | | | | 115 |
| Riverbank Greenway Programs (formerly Pathways) | 3-71 | 235 | 465 | 200 | 150 | 150 | 240 | 1,440 |
| Land Acquisition - Riverbank | 3-72 | 300 | | 300 | | | 100 | 700 |
| Cemeteries - Improvements | 3-73 | 200 | 250 | | | | | 450 |
| Riverbank Stabilization - Physical Asset Protection - First Call on 2007 Capital Budget - Pembina Hwy and Grandmont Blvd (Council December 6, 2006) | 3-74 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 6,000 |
| Downtown Enhancement Program | 3-75 | 400 | 400 | 400 | 400 | 400 | 400 | 2,400 |
| Image Route Enhancements / Streetscaping | 3-76 | 400 | 400 | 400 | 400 | 400 | 400 | 2,400 |
| Expand Property Management and Integrate with Public Works Work Management System | 3-77 | | | 100 | | | | 100 |
| Riverbank Access Park and Dock Network | 3-78 | | | 300 | | | | 300 |
| Public Art Strategy | 3-79 | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| Marconi Future Walking / Biking Path - First Call on 2007 Capital Budget (Council September 27, 2006) | 3-80 | 1,200 | | | | | | 1,200 |
| Downtown Wayfinding - Mapping, Kiosks, Weather Protected - Winsmart - Urban Transportation Showcase | 3-81 | 200 | | | | | | 200 |
| Building Communities | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 200 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,200 |
| - Manitoba Winnipeg Infrastructure Program (MWIP) | | 200 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,200 |
| Total Building Communities | 3-82 | 400 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 10,400 |
| **Subtotal Planning, Property and Development (excluding Civic Accommodations)** | | 5,750 | 5,700 | 5,865 | 5,150 | 5,150 | 5,340 | 32,955 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 | FORECAST | | | | | 2007-2012 6 YEAR TOTAL |
| | | Budget | 2008 | 2009 | 2010 | 2011 | 2012 | BUDGET |
| ***Civic Accommodations*** | | | | | | | | |
| General Building Renovation and Refurbishing | 3-83 | 500 | 500 | | 500 | 500 | 500 | 2,500 |
| Civic Buildings - Barrier Free Access | 3-84 | | | | | 300 | 300 | 600 |
| Removal of Asbestos | 3-85 | 100 | | 100 | 300 | 100 | 124 | 724 |
| Campus Area Security Upgrades | 3-86 | 300 | | | | | | 300 |
| Roof Replacement | 3-87 | 250 | 500 | 500 | 800 | 200 | 200 | 2,450 |
| Fire Safety Upgrading - Various Locations | 3-88 | 200 | | 200 | 500 | 200 | 200 | 1,300 |
| Public Safety Building - Exterior Cladding | 3-89 | 6,722 | 3,033 | 5,367 | | | | 15,122 |
| Cooling Plant Refurbishing | 3-90 | 150 | | | | | | 150 |
| Energy Conservation | 3-91 | 200 | 200 | | 300 | | 200 | 900 |
| Civic Centre Car Park Tunnel | 3-92 | 200 | | | | | 200 | 400 |
| Tenant Improvement Prepayment - Major Department | 3-93 | | | | | | 500 | 500 |
| Historic Building Stabilization | 3-94 | 250 | 200 | 500 | 400 | | 200 | 1,550 |
| Major Building HVAC Upgrades | 3-95 | 300 | 400 | | 900 | | 200 | 1,800 |
| Building Envelope - Evaluation and Emergency Repair | 3-96 | 1,000 | | 500 | 1,000 | | 200 | 2,700 |
| Elevator and Escalator Repair | 3-97 | | | | 800 | 400 | 200 | 1,400 |
| Public Works / Water & Waste Departments Facilities Consolidation - Land Operating Reserve Fund (Proceeds from Sale of Surplus Properties) | 3-98 | 2,737 | | | | | | 2,737 |
| **Subtotal Civic Accommodations** | | 12,909 | 4,833 | 7,167 | 5,500 | 1,700 | 3,024 | 35,133 |
| **TOTAL PLANNING, PROPERTY AND DEVELOPMENT** | | 18,659 | 10,533 | 13,032 | 10,650 | 6,850 | 8,364 | 68,088 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST | | | | | 2007-2012 6 YEAR TOTAL BUDGET |
| | | | 2008 | 2009 | 2010 | 2011 | 2012 | |
| ***CITY CLERKS*** | | | | | | | | |
| Office Automation | 3-99 | | | 200 | | 200 | | 400 |
| Corporate Records Centre | 3-100 | | | | | | 200 | 200 |
| Election Systems | 3-101 | | | 150 | 150 | | | 300 |
| Voting Machine Replacement | 3-102 | | | 1,500 | 250 | | | 1,750 |
| **TOTAL CITY CLERKS** | | | | 1,850 | 400 | 200 | 200 | 2,650 |
| ***CORPORATE INFORMATION TECHNOLOGY*** | | | | | | | | |
| Communications Network Infrastructure | 3-103 | 649 | 648 | 648 | 633 | 638 | 643 | 3,859 |
| Network Computing Initiatives | 3-104 | 119 | 216 | 216 | 209 | 211 | 213 | 1,184 |
| E-Government | 3-105 | 816 | 250 | 150 | 1,057 | 1,070 | 617 | 3,960 |
| PeopleSoft Upgrade | 3-106 | 741 | | | | 1,500 | 1,000 | 3,241 |
| Data Warehouse / Business Intelligence | 3-107 | | | 125 | 520 | 200 | | 845 |
| **TOTAL CORPORATE INFORMATION TECHNOLOGY** | | 2,325 | 1,114 | 1,139 | 2,419 | 3,619 | 2,473 | 13,089 |
| ***PROPERTY ASSESSMENT*** | | | | | | | | |
| Assessment Automation | 3-108 | 500 | 500 | 1,000 | 500 | | | 2,500 |
| ***OTHER PROJECTS*** | | | | | | | | |
| Innovative Capital | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 2,976 | 288 | 12 | 250 | 305 | | 3,831 |
| - Repayment to the General Purpose Reserve | | (30) | (168) | (12) | (250) | | | (460) |
| Total Innovative Capital | 3-109 | 2,946 | 120 | | | 305 | | 3,371 |
| 311 Customer Service | 3-110 | 1,000 | | | | | | 1,000 |
| **TOTAL OTHER PROJECTS** | | 3,946 | 120 | | | 305 | | 4,371 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
|---|---|---|---|---|---|---|---|---|
| ***TRANSIT*** | | | | | | | | |
| Transit Building Replacement / Refurbishment | 3-111 | 100 | | | | | 2,000 | 2,100 |
| Fuel Tanks Replacement | 3-112 | 800 | | | | | | 800 |
| Fare Collection System | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 567 | 3,000 | 3,500 | 2,500 | 2,500 | | 12,067 |
| - Transfer from other authorized projects | | 1,100 | | | | | | 1,100 |
| - Public Transit Capital Trust Funds | | 333 | | | | | | 333 |
| Total Fare Collection System | 3-113 | 2,000 | 3,000 | 3,500 | 2,500 | 2,500 | | 13,500 |
| Innovative Transit Program | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | 645 | 638 | 700 | 800 | 800 | 800 | 4,383 |
| - Winsmart - Urban Transportation Showcase | | 55 | 62 | | | | | 117 |
| Total Innovative Transit Program | 3-114 | 700 | 700 | 700 | 800 | 800 | 800 | 4,500 |
| Transit Buses | | | | | | | | |
| - Cash to Capital (Equity in Capital Assets Fund) | | | 3,293 | 2,393 | 1,725 | 1,125 | 625 | 9,161 |
| - Federation of Canadian Municipalities Loan (repaid with Government of Canada Public Transit Capital Trust funds) | | 3,417 | | | | | | 3,417 |
| - Transit Bus Replacement Reserve | | 5,885 | 6,098 | 8,420 | 9,797 | 11,135 | 12,445 | 53,780 |
| - Provincial Building Manitoba Fund | | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 23,040 |
| - Public Transit Capital Trust Funds | | 9,367 | | | | | | 9,367 |
| Total Transit Buses | 3-115 | 22,509 | 13,231 | 14,653 | 15,362 | 16,100 | 16,910 | 98,765 |
| Transit Improvements (see Schedule 2) | | | | | | | | |
| - Public Transit Capital Trust Funds | | 14,360 | | | | | | 14,360 |
| Less: Repayment of Federation of Canadian Municipalities Loan | | (3,417) | | | | | | (3,417) |
| - Winsmart - Urban Transportation Showcase | | 333 | | | | | | 333 |
| - Federal Gas Tax | | 2,443 | 3,054 | 6,109 | | | | 11,606 |
| - Provincial payment for gap in Gas Tax Formula | | 1,280 | | | | | | 1,280 |
| Total Transit Improvements | 3-117 | 14,999 | 3,054 | 6,109 | | | | 24,162 |
| Origin-Destination Study | | | | | | | | |
| - Public Transit Capital Trust Funds | | 800 | | | | | | 800 |
| Total Origin-Destination Study | 3-119 | 800 | | | | | | 800 |
| **TOTAL TRANSIT** | | 41,908 | 19,985 | 24,962 | 18,662 | 19,400 | 19,710 | 144,627 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
|---|---|---|---|---|---|---|---|---|
| **WATER & WASTE** | | | | | | | | |
| ***Land Drainage and Flood Control - Tax-Supported Portion*** | | | | | | | | |
| **Land Drainage and Flood Control - Regional** | | | | | | | | |
| ***Financed by Equity in Capital Assets:*** | | | | | | | | |
| Stormwater Retention Basin Rehabilitation | 3-120 | **200** | **150** | **200** | **200** | **200** | **400** | **1,350** |
| Flood Pumping Station Rehabilitation | 3-121 | **900** | **1,000** | **900** | **1,000** | **1,000** | **1,000** | **5,800** |
| Land Drainage and Combined Sewers Outfall Gate Structures | 3-122 | **1,450** | **1,000** | **1,450** | **1,450** | **1,450** | **1,500** | **8,300** |
| Floodplain Management | 3-123 | **300** | | **700** | | | | **1,000** |
| St. Germain / Vermette Land Drainage Project | 3-124 | **100** | | | | | | **100** |
| Seine River Waterway Acquisition | 3-125 | **150** | **100** | **150** | **150** | **150** | **150** | **850** |
| Primary Dike Upgrading | 3-126 | **565** | | **250** | **800** | **1,500** | **1,390** | **4,505** |
| Land Drainage Safety Upgrading Program | 3-127 | **200** | **200** | **200** | **200** | **100** | **200** | **1,100** |
| Charleswood & Wilkes South Land Drainage Project | 3-128 | **1,300** | **1,199** | | | | | **2,499** |
| Kildare Trunk Permanent Flood Pumping Station | 3-129 | **250** | | | | | | **250** |
| Land Drainage Asset Management Strategy | 3-130 | **150** | | | | **200** | | **350** |
| River Ridge Dike - Shoreline Erosion Protection | 3-131 | **435** | | | | | | **435** |
| Ravelston Land Drainage Pumping Station Upgrading | 3-132 | **350** | **1,650** | | | | | **2,000** |
| Portable Flood Pumps - First Call on 2007 Capital Budget (Council December 6, 2006) | 3-133 | **250** | **250** | **250** | | | | **750** |
| ***Financed by Frontage Levy:*** | | | | | | | | |
| Combined Sewer Flood Relief - Frontage Levy | 3-134 | **7,200** | **7,200** | **7,200** | **7,200** | **7,200** | **7,200** | **43,200** |
| Flood Relief Sewers - Separate - Frontage Levy | 3-135 | **300** | **300** | **300** | **300** | **300** | **300** | **1,800** |
| ***Financed by Developer Capacity Charges:*** | | | | | | | | |
| Development Agreement Paybacks | 3-136 | **2,000** | **500** | **500** | | | | **3,000** |
| Fernbank Ave Land Drainage Sewer | 3-137 | | | | **875** | | | **875** |
| **Total Land Drainage and Flood Control - Regional** | | **16,100** | **13,549** | **12,100** | **12,175** | **12,100** | **12,140** | **78,164** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
|---|---|---|---|---|---|---|---|---|
| **Land Drainage and Flood Control - Residential** | | | | | | | | |
| Outfall Rehabilitation - Cash to Capital (Equity in Capital Assets Fund) | 3-138 | **550** | **500** | **400** | **550** | **550** | **800** | **3,350** |
| **TOTAL LAND DRAINAGE AND FLOOD CONTROL** | | **16,650** | **14,049** | **12,500** | **12,725** | **12,650** | **12,940** | **81,514** |
| **WATER WORKS SYSTEM - Utility Funding** | | | | | | | | |
| ***Financed by Waterworks Retained Earnings:*** | | | | | | | | |
| Long Term Zebra Mussel Mitigation | 3-139 | | | | | | **1,100** | **1,100** |
| Saskatchewan Avenue Feedermain | 3-140 | | | | | **1,300** | | **1,300** |
| GWWD Railway Bridge Replacement | 3-141 | **550** | | | | | | **550** |
| Water Supervisory Control and Data Acquisition (SCADA) Upgrade | 3-142 | | | | | **1,800** | **2,900** | **4,700** |
| Branch II Aqueduct Valve Interconnection Control Structure | 3-143 | | **300** | | | | | **300** |
| Tache Booster Pumping Station Upgrading | 3-144 | **1,000** | **800** | | | | | **1,800** |
| Shoal Lake Aqueduct Intake Structure Condition Assessment | 3-145 | | **200** | **800** | **1,000** | | | **2,000** |
| Disraeli Feedermain - Red River Crossing Rehabilitation / Replacement | 3-146 | | | **2,500** | | | | **2,500** |
| Shoal Lake Intake Chloramination Facility | 3-147 | | | | | **2,300** | | **2,300** |
| General Water Infrastructure Rehabilitation | 3-148 | | **200** | **500** | **300** | **300** | **300** | **1,600** |
| Midtown Feedermain - Assiniboine River Crossing Replacement / Rehabilitation | 3-149 | | **2,500** | | | | | **2,500** |
| Waverley West Feedermain | 3-150 | | | **2,500** | | | **4,200** | **6,700** |
| Feedermain Condition Assessment Study - Phase 1 | 3-151 | | **500** | | | | | **500** |
| Water Utility Asset Management Strategy | 3-152 | **600** | | **200** | | | | **800** |
| Shoal Lake Aqueduct Asset Preservation | 3-153 | **750** | | | | | **1,000** | **1,750** |
| Water Supply Valve Installation / Replacement Program | 3-154 | **1,300** | **1,500** | **1,500** | **1,500** | **1,500** | **1,500** | **8,800** |
| Shoal Lake Aqueduct Maintenance / Storage Facility | 3-155 | | | | **1,500** | | | **1,500** |
| Hurst Pumping Station Building - Structural Repairs | 3-156 | | | | **1,000** | | | **1,000** |
| Chlorination Decommission at Regional Pump Stations | 3-157 | | | | **100** | | | **100** |
| Safety Upgrades - Isolation Valves at Valve and Meter Pits | 3-158 | | **300** | **300** | **300** | | | **900** |
| GIS Database Restructuring and Data Integrity Upgrades | 3-159 | **150** | | | | | | **150** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| **WATER WORKS SYSTEM - Utility Funding (continued)** | | | | | | | | |
| Deacon Booster Pumping Station - Building Upgrades | 3-160 | | 500 | | | | | 500 |
| Deacon Chemical Feed Facility Upgrading | 3-161 | | | | | 1,000 | | 1,000 |
| Regional Pumping Stations Structural Upgrades | 3-162 | | | | | 500 | | 500 |
| Safety Upgrades - Wilkes Reservoir "B" Pit | 3-163 | | | | | 600 | | 600 |
| Centralized Facilities Renovation / Construction | 3-164 | 200 | | | | | | 200 |
| Asbestos Containing Materials Operations & Maintenance Program | 3-165 | 125 | 125 | 125 | 125 | 125 | | 625 |
| Branch 1 Aqueduct at Seine River - Riverbank Stabilization | 3-166 | | | | | 200 | 1,000 | 1,200 |
| Regional Pumping Stations Reliability Upgrades | 3-167 | | | | | | 1,600 | 1,600 |
| Waterworks System Security Upgrades | 3-168 | 200 | | | | | | 200 |
| Watermain Renewals - Frontage Levy | 3-169 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 42,000 |
| Water Treatment Plant - Functional & Detailed Design & Construction | | | | | | | | |
| - Water Treatment Reserve | | 8,500 | | | | | | 8,500 |
| - Retained Earnings | | 2,800 | | | | | | 2,800 |
| - External Debt | | 61,500 | | | | | | 61,500 |
| Total Water Treatment Plant | 3-170 | 72,800 | | | | | | 72,800 |
| **TOTAL WATERWORKS SYSTEM (Utility Supported)** | | 84,675 | 13,925 | 15,425 | 12,825 | 16,625 | 20,600 | 164,075 |
| **SEWAGE DISPOSAL SYSTEM - Utility Funding** | | | | | | | | |
| **Sewage Disposal System - Regional** | | | | | | | | |
| ***Financed by Sewage Disposal System Retained Earnings:*** | | | | | | | | |
| Primary Clarifier Covers - NEWPCC | 3-172 | | 8,800 | | | | | 8,800 |
| Lift Stations Upgrading | 3-173 | 750 | 750 | 750 | 750 | 750 | 750 | 4,500 |
| Inflow / Infiltration / Cross-Connection Study and Mitigation | 3-174 | 500 | | | | | | 500 |
| Sewer System Isolation in Areas Protected by Secondary Dikes | 3-175 | | 500 | 1,000 | 1,000 | | | 2,500 |
| Raw Sewage Pump Replacement - NEWPCC | 3-176 | | | | | | 2,000 | 2,000 |
| Dugald Interceptor Sewer Renewal | 3-177 | 3,720 | | | | | | 3,720 |
| Surgewell Condition Assessment & Main Pump Hydraulic Rehabilitation - NEWPCC | 3-178 | | | 5,100 | 5,200 | | | 10,300 |
| Waverley West Interceptor Sewer | 3-179 | 1,000 | | 4,500 | 6,900 | | | 12,400 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST | | | | | 2007-2012 6 YEAR TOTAL BUDGET |
| | | | 2008 | 2009 | 2010 | 2011 | 2012 | |
| **SEWAGE DISPOSAL SYSTEM - Utility Funding (continued)** | | | | | | | | |
| Upgrading External Power Supply - NEWPCC | 3-180 | | | | | | 4,000 | 4,000 |
| Septage Acceptance Facility - Wastewater Pollution Control Centres | 3-181 | | | | 2,000 | | | 2,000 |
| Re-roofing at Water Pollution Control Centres | 3-182 | | 400 | | 400 | | 400 | 1,200 |
| GIS Database Restructuring and Data Integrity Upgrades | 3-183 | 150 | | | | | | 150 |
| Head Tank Replacement - NEWPCC | 3-184 | | | | | 500 | | 500 |
| Centrifuge Replacement - NEWPCC | 3-185 | | | | | 6,900 | | 6,900 |
| Centralized Facilities Renovation / Construction | 3-186 | 200 | | | | | | 200 |
| Kildare Wastewater Sewer Upgrading | 3-187 | 600 | | | | | | 600 |
| St. Boniface Interceptor Extension | 3-188 | 2,600 | | | | | | 2,600 |
| River Crossings Monitoring and Rehabilitation | 3-189 | 2,500 | 2,500 | 1,300 | 1,300 | 1,300 | 1,300 | 10,200 |
| Asbestos Containing Materials Operations & Maintenance Program | 3-190 | 125 | 125 | 125 | 125 | 125 | | 625 |
| Digester Area Upgrades - NEWPCC | 3-191 | | | 500 | | 600 | | 1,100 |
| Water Pollution Control Centre Reliability Upgrades | 3-193 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 30,000 |
| ***Financed by Other Sources:*** | | | | | | | | |
| Environmental Impact Statement and Public Hearings - Environmental Reserve | 3-192 | 100 | 200 | 200 | 580 | | | 1,080 |
| Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation | | | | | | | | |
| - Environmental Reserve | 3-194 | | 7,000 | 8,000 | 9,000 | 9,000 | 10,000 | 43,000 |
| Centrate Nutrient Reduction Treatment - NEWPCC | | | | | | | | |
| - Transfer to General Capital Fund | | (3,217) | | | | | | (3,217) |
| - Environmental Reserve | | 5,937 | | | | | | 5,937 |
| Total Centrate Nutrient Reduction Treatment - NEWPCC | 3-195 | 2,720 | | | | | | 2,720 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| **SEWAGE DISPOSAL SYSTEM - Utility Funding (continued)** | | | | | | | | |
| Biosolids - Alternative Disposal Delivery & Management System | | | | | | | | |
| - Environmental Reserve | | 383 | 117 | 3,300 | 3,400 | 9,000 | 11,700 | 27,900 |
| - External Debt | | | | 3,700 | 16,600 | | 13,300 | 33,600 |
| Total Biosolids - Alternative Disposal Delivery & Management System | 3-196 | 383 | 117 | 7,000 | 20,000 | 9,000 | 25,000 | 61,500 |
| Effluent Disinfection and Nutrient Removal - WEWPCC | | | | | | | | |
| - External Debt | 3-197 | 3,038 | | | | | | 3,038 |
| Nutrient Removal / Expansion - SEWPCC | | | | | | | | |
| - Retained Earnings | | 3,800 | 22,800 | | | | | 26,600 |
| - Canada Strategic Infrastructure Fund (CSIF) - Federal | | | | 6,000 | 8,035 | | | 14,035 |
| - Canada Strategic Infrastructure Fund (CSIF) - Provincial | | | | 14,608 | 10,392 | | | 25,000 |
| - External Debt | | 600 | 26,817 | 46,525 | 48,865 | | | 122,807 |
| - Prior Years' Authorized External Debt | | 7,600 | 923 | 5,867 | | | | 14,390 |
| - Transfer to General Capital Fund | | | (923) | | (3,292) | | | (4,215) |
| - Environmental Reserve | | | 383 | | | | | 383 |
| Total Nutrient Removal - SEWPCC | 3-198 | 12,000 | 50,000 | 73,000 | 64,000 | | | 199,000 |
| Nutrient Removal - NEWPCC - External Debt | 3-200 | 4,000 | 10,000 | 21,000 | | 150,000 | 150,000 | 335,000 |
| **Total Sewage Disposal System - Regional** | | 39,386 | 85,392 | 127,475 | 116,255 | 183,175 | 198,450 | 750,133 |
| Sewer Renewal | | | | | | | | |
| - Frontage Levy | 3-201 | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 72,480 |
| **TOTAL SEWAGE DISPOSAL SYSTEM** | | 51,466 | 97,472 | 139,555 | 128,335 | 195,255 | 210,530 | 822,613 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | DETAIL PAGE NO. | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2007 Budget | FORECAST | | | | | 2007-2012 6 YEAR TOTAL BUDGET |
| | | | 2008 | 2009 | 2010 | 2011 | 2012 | |
| **SOLID WASTE DISPOSAL SYSTEM - Utility Funding** | | | | | | | | |
| ***Financed by Solid Waste Disposal Retained Earnings:*** | | | | | | | | |
| Brady Landfill Staff Building | 3-202 | | | 825 | | | | 825 |
| Brady Landfill - New Scales / Entranceway | 3-203 | 500 | | | | | | 500 |
| Landfill Cell Excavation | 3-204 | | 1,700 | | | | | 1,700 |
| Summit Landfill Closure / Post-Closure | 3-205 | | 300 | 300 | 300 | 300 | 300 | 1,500 |
| Miscellaneous Land Acquisition | 3-206 | | 100 | | | | | 100 |
| Leachate Treatment Plant | | | | | | | | |
| - Retained Earnings | | | | 320 | 2,655 | | | 2,975 |
| - External Debt | | | | | 3,645 | | | 3,645 |
| Total Leachate Treatment Plant | 3-207 | | | 320 | 6,300 | | | 6,620 |
| **TOTAL SOLID WASTE DISPOSAL SYSTEM** | | 500 | 2,100 | 1,445 | 6,600 | 300 | 300 | 11,245 |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| **Regional and Local Streets Program:** | | | | | | | |
| **Regional Streets** | | | | | | | |
| ***Sidewalk and Curb Renewals*** | | | | | | | |
| Sidewalk and Curb Renewals - Regional Streets | 500 | 500 | 500 | 500 | 500 | 500 | **3,000** |
| Preventative Maintenance - Various Locations | 500 | | | | | | **500** |
| ***Major Rehabilitation Works*** | | | | | | | |
| Inkster Boulevard - Main Street to Lansdowne Avenue | 300 | | | | | | **300** |
| Corydon Avenue - Cambridge Street to Kenaston Boulevard | 900 | 300 | 300 | 300 | 300 | 300 | **2,400** |
| King Edward Street - Saskatchewan Avenue to Ellice Avenue | 3,020 | | | | | | **3,020** |
| Logan Avenue - Weston Street to Blake Street | 3,020 | | | | | | **3,020** |
| Vaughan Street - York Avenue to Graham Avenue | 790 | | | | | | **790** |
| Waverley Street - Bishop Grandin Boulevard to Bison Drive | 2,000 | | | | | | **2,000** |
| Pembina Highway (N/B) - Stafford Street to Grant Avenue | 1,440 | | | | | | **1,440** |
| Ness Avenue (W/B) - Belvidere Street to Moorgate Street | 440 | | | | | | **440** |
| McPhillips Street (N/B) - Swailes Avenue to Murray Road | 900 | | | | | | **900** |
| Dakota Street - Bishop Grandin Boulevard to Meadowood Drive | 1,000 | | | | | | **1,000** |
| Grant Avenue (W/B) - Pembina Highway to Stafford Avenue | 660 | | | | | | **660** |
| Tuxedo Boulevard - Kenaston Boulevard to Corydon Avenue | 1,000 | | | | | | **1,000** |
| Bishop Grandin Boulevard (E/B) - St. Anne's Road to Lakewood Boulevard | 900 | | | | | | **900** |
| Henderson Highway (S/B) - Essar Avenue to Rowandale Avenue | 1,280 | | | | | | **1,280** |
| Oak Point Highway / Brookside Boulevard (N/B) - Eagle Drive to 200m north of Inkster Boulevard | 1,400 | | | | | | **1,400** |
| McGillivray Boulevard (E/B) - Waverley Street to Irene Street | 920 | | | | | | **920** |
| Lagimodiere Boulevard (S/B) - Fermor Avenue to East Mint Place (If funds available) | | | | | | | **-** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| ***Mill and Fill Rehabilitation Works*** | | | | | | | |
| Pembina Highway (S/B) - Markham Road to Bison Drive | 320 | | | | | | **320** |
| Corydon Avenue - Nassau Street North to Lilac Street | 440 | | | | | | **440** |
| Henderson Highway (N/B) - Monroe Avenue to Leighton Avenue | 500 | | | | | | **500** |
| Grant Avenue (E/B) - Kenaston Boulevard to Lanark Street | 270 | | | | | | **270** |
| Portage Avenue (E/B) - Whytewold Road to Sharp Boulevard | 520 | | | | | | **520** |
| McPhillips Street (S/B) - Chamberlain Avenue to Mountain Avenue | 270 | | | | | | **270** |
| St. Mary's Road - Tache Avenue to south of Traverse Avenue | 360 | | | | | | **360** |
| Portage Avenue East - Westbrook Street to Fort Street | 200 | | | | | | **200** |
| Higgins Avenue - Austin Street to Annabella Street | 400 | | | | | | **400** |
| Sherbrook Street - Broadway to Portage Avenue (If funds available) | | | | | | | **-** |
| Osborne Street - Togo Avenue to Stradbrook Avenue (If funds available) | | | | | | | **-** |
| Regional Street Renewals - Annual Program - Various locations to be identified | | 24,849 | 34,944 | 12,454 | 26,290 | 18,010 | **116,547** |
| **Regional Streets Total** | **24,250** | **25,649** | **35,744** | **13,254** | **27,090** | **18,810** | **144,797** |
| **Local Streets** | | | | | | | |
| Lane Renewals - Various Locations | 749 | | | | | | **749** |
| Curb Repairs on Local Streets - Various Locations | 250 | | | | | | **250** |
| Sidewalk Renewals on Local Streets - Various Locations | 400 | 400 | 400 | 400 | 400 | 400 | **2,400** |
| Local Street Renewals - Various Locations | 14,469 | 8,500 | 14,681 | 12,000 | 12,000 | 10,000 | **71,650** |
| Residential Thin Bituminous Overlay (TBO) | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | **18,000** |
| Buffalo Place - Fennell Street to Otter Street | 1,000 | | | | | | **1,000** |
| Gunn Road - Redonda St to Plessis Rd | 900 | | | | | | **900** |
| Panet Road / Molson Street Widening - Munroe Avenue to Kimberly Avenue | | 3,500 | | | | | **3,500** |
| **Local Streets Total** | **20,768** | **15,400** | **18,081** | **15,400** | **15,400** | **13,400** | **98,449** |
| **Total Regional and Local Streets** | **45,018** | **41,049** | **53,825** | **28,654** | **42,490** | **32,210** | **243,246** |

| ***CAPITAL PROJECTS SUMMARY*** *(in Thousands of $)* | PRELIMINARY CAPITAL | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2007 Budget | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 2007-2012 6 YEAR TOTAL BUDGET |
| **Transit Improvements Program:** | | | | | | | |
| New Bus Stop Upgrade Projects - Federal Gas Tax | 1,300 | 2,100 | 2,100 | | | | **5,500** |
| Polo Park Transit Centre - Federal Public Transit Capital Trust Funds (PTCT) | 398 | | | | | | **398** |
| Electronic Bus Departure Displays: Expansion - PTCT | 1,700 | | | | | | **1,700** |
| Expansion of Actuated Transit Signal Priority - PTCT | 500 | | | | | | **500** |
| Electronic Bus Departure Displays: Prototype Project - Winsmart / Urban Transportation Showcase | 333 | | | | | | **333** |
| Diamond Lanes / Queue Jump Lanes: Implementation | | | | | | | |
| - Federal Gas Tax | 1,143 | 154 | 4,009 | | | | **5,306** |
| - PTCT | 4,445 | | | | | | **4,445** |
| - Provincial payment for gap in Gas Tax Formula | 1,280 | | | | | | **1,280** |
| Total Diamond Lanes / Queue Jump Lanes: Implementation | 6,868 | 154 | 4,009 | | | | **11,031** |
| Transit Investment Fund | | | | | | | |
| - Federal Gas Tax | | 800 | | | | | **800** |
| - PTCT | 3,900 | | | | | | **3,900** |
| Total Transit Investment Fund | 3,900 | 800 | | | | | **4,700** |
| **Total Transit Improvements** | **14,999** | **3,054** | **6,109** | | | | **24,162** |

Winnipeg

**The City of Winnipeg**

# Capital Projects Detail

Preliminary 2007
Capital Budget

and

2008 to 2012
Five Year Forecast

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## Capital Projects Listing by Department


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**Note:**
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).

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

Department: 180603
Project: 183200XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Integrated Transportation Network (3C-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,500 | 1,500 | 1,000 | 1,000 | 1,000 | 1,000 | 5,500 | 7,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,500 | 1,500 | 1,000 | 1,000 | 1,000 | 1,000 | 5,500 | 7,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,275 | 1,500 | 1,075 | 1,000 | 1,000 | 1,000 | 150 | 7,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,275 | 1,500 | 1,075 | 1,000 | 1,000 | 1,000 | 150 | 7,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 76 | 90 | 64 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 35 | 157 | 286 |
| **SURPLUS/(DEFICIT)** | 41 | (67) | (222) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

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

Project Name: **Traffic Signals Enhancement**

Department: 180603
Project: 183200XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit to Traffic Operations Improvements (3C-03)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 500 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 11,500 | 12,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 500 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 11,500 | 12,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 425 | 2,030 | 2,300 | 2,300 | 2,300 | 2,300 | 345 | 12,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 425 | 2,030 | 2,300 | 2,300 | 2,300 | 2,300 | 345 | 12,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 26 | 122 | 138 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 12 | 102 | 304 |
| **SURPLUS/(DEFICIT)** | 14 | 20 | (166) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A program whose main goal is to improve the movement of people and goods using the transportation system by improving the coordination of traffic signals along major corridors in the City.

- Increases existing system capacity by providing full monitoring capability of local controller operations.
- Provides a multi-protocol communications system that allows for the use of the existing field equipment as well as for the future procurement of different controller types from different manufacturers.
- Provides capacity for future system expansion.
- Upgrade remaining electro-mechanical signal controllers to full electronic technology.
- Minimizes on-going communications costs by using standard low speed communications circuits (both wireline and wireless) with up to 32 intersections per circuit, and maximizing the use of local intersection control equipment for both local and coordinated operations (and as a backup in the event of a communications failure).

Project Name: **New Regional Sidewalks**

Department: 180603
Project: 183200XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit to Traffic Operations Improvements (3C-03)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 12 | 16 | 16 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 6 | 26 | 50 |
| **SURPLUS/(DEFICIT)** | 6 | (10) | (34) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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

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

Department: 180603
Project: 180700xx07

Capital Priority Rating: 2 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Invest Strategically in New Infrastructure (3D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 525 | 1,550 | 250 | 1,250 | - | 7,726 | 10,776 | 11,301 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 525 | 1,550 | 250 | 1,250 | | 7,726 | 10,776 | 11,301 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 525 | 1,550 | 250 | 1,250 | - | 7,726 | - | 11,301 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 525 | 1,550 | 250 | 1,250 | | 7,726 | | 11,301 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 32 | 94 | 16 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 14 | 95 | 200 |
| **SURPLUS/(DEFICIT)** | 18 | (1) | (184) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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: | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Total |
|---|---|---|---|---|---|---|---|
| Concordia Avenue Interchange | 250 | 250 | 250 | 250 | | | 1,000 |
| Lagimodiere Boulevard Twinning | 275 | | | | | | 275 |
| Waverley Street & Bison Drive intersection | | | | 1,000 | | | 1,000 |
| Adsum Drive | | 300 | | | | | 300 |
| Headmaster Row & Lagimodiere Blvd. intersection | | 1,000 | | | | | 1,000 |
| Plessis Road Twinning | | | | | | 7,726 | 7,726 |
| | 525 | 1,550 | 250 | 1,250 | - | 7,726 | 11,301 |

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

Project Name: **Kenaston Boulevard - Academy Road to Taylor Avenue (including functional design in 2007)**

Department: 180604
Project: 1803000601

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | 1,600 | 100 | 100 | 100 | 100 | 100 | 500 | 2,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,600 | 100 | | 100 | 100 | 100 | 400 | 2,000 |
| Federal Gas Tax | | | | 100 | | | | 100 | 100 |

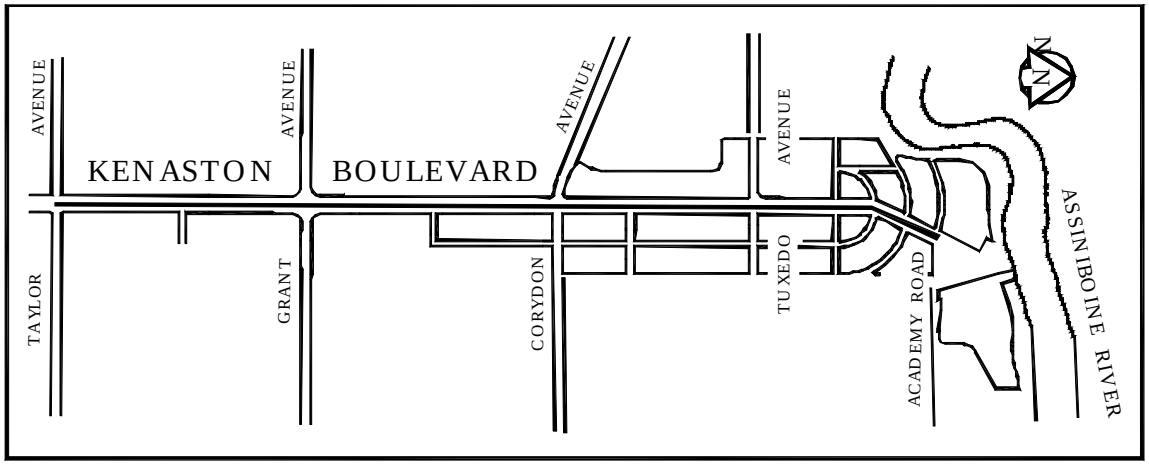
| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,360 | 325 | 100 | 100 | 100 | 100 | 15 | 2,100 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,360 | 325 | 15 | 85 | 100 | 100 | 15 | 2,000 |
| Federal Gas Tax | | | 85 | 15 | | | | 100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 82 | 20 | 6 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 37 | 126 | 150 |
| **SURPLUS/(DEFICIT)** | 45 | (106) | (144) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

An additional $1,500,000 is included in 2007 for a functional design of the roadway enhancement (widening).



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

Department: 180603
Project: 183100xx07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit to Traffic Operations Improvements (3C-03)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 (Equity in Capital Assets Fund) | | 500 | 500 | | 500 | 500 | 500 | 2,000 | 2,500 |
| Federal Gas Tax | | | | 500 | | | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 425 | 500 | 500 | 500 | 500 | 500 | 75 | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 425 | 500 | | 500 | 500 | 500 | 75 | 2,500 |
| Federal Gas Tax | | | 500 | | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 26 | 30 | 30 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 12 | 52 | 100 |
| **SURPLUS/(DEFICIT)** | 14 | (22) | (70) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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

new traffic control signals and pedestrian corridors, audible pedestrian signals, roadside safety improvements, traffic calming measures, miscellaneous geometric improvements, traffic sign replacements, railway crossing safety improvements, and a traffic signals system enhancement program.

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

Project Name: **St. Anne's Road - Southglen Boulevard to Aldgate Road**

Department: 180603
Project: 183200XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Direct Arterial System Investment (3D-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 5,600 | - | - | - | - | - | - | 5,600 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 3,687 | | | | | | - | 3,687 |
| Developer Funding | | 1,913 | | | | | | - | 1,913 |

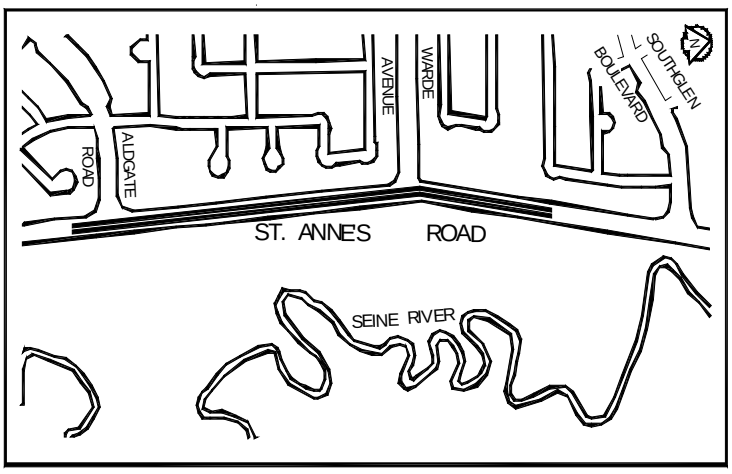
| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,760 | 840 | - | - | - | - | - | 5,600 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 2,847 | 840 | | | | | | 3,687 |
| Developer Funding | 1,913 | | | | | | | 1,913 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 286 | 50 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 131 | 433 | 486 |
| **SURPLUS/(DEFICIT)** | 155 | (383) | (486) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Developer Funding in 2007 is a preliminary calculation based on cash payment and letters of credit.

Extension of a four lane divided facility to replace the existing two lane roadway between Southglen Boulevard and Aldgate Road. Provision of improved safety through the incorporation of a centre median which separates opposing traffic and improves capacity for the accommodation of the existing and projected travel demand and the construction of sidewalks on both sides.



Project Name: **Inkster Boulevard - Keewatin Street to Brookside Boulevard**

Department: 180604
Project: 180400XX08

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Direct Arterial Street System Investments (3D-04 )

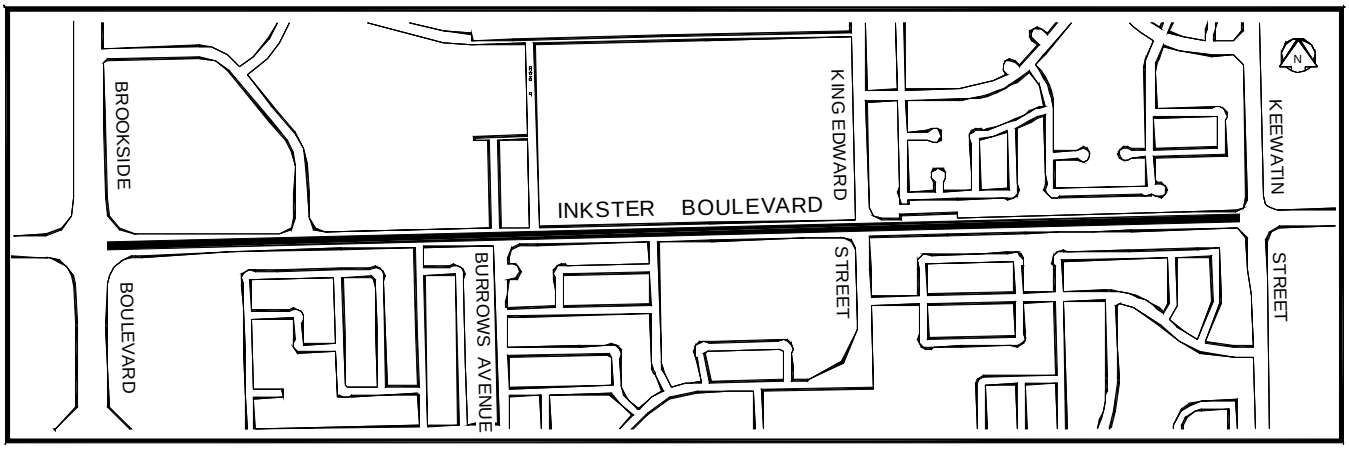
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | 1,100 | 6,270 | 6,270 | - | - | 13,640 | 13,640 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 1,100 | 5,686 | 6,270 | | | 13,056 | 13,056 |
| Developer Funding | | | | 584 | | | | 584 | 584 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 935 | 5,495 | 6,270 | 940 | - | - | 13,640 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 935 | 4,911 | 6,270 | 940 | | | 13,056 |
| Developer Funding | | | 584 | | | | | 584 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | 56 | 330 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 30 | 268 |
| **SURPLUS/(DEFICIT)** | - | 26 | 62 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Twinning of Inkster Boulevard between Keewatin Street and Brookside Boulevard will improve capacity to accommodate existing and projected travel demands, especially for movement of commercial goods.



Project Name: **McGillivray Boulevard - Waverley Street to Columbia Drive**

Department: 180604
Project: 180400XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Direct Arterial Street System Investments (3D-04 )

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 1,500 | 10,000 | - | - | - | - | 10,000 | 11,500 |
| Financed by: | | | | | | | | | |
| Public Private Partnership | | | 9,681 | | | | | 9,681 | 9,681 |
| Developer Funding | | 1,500 | 319 | | | | | 319 | 1,819 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 319 | - | 787 | 787 | 787 | 21,259 | 25,440 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets) See Note | | | | 787 | 787 | 787 | 21,259 | 23,621 |
| Developer Funding | 1,500 | 319 | | | | | | 1,819 |

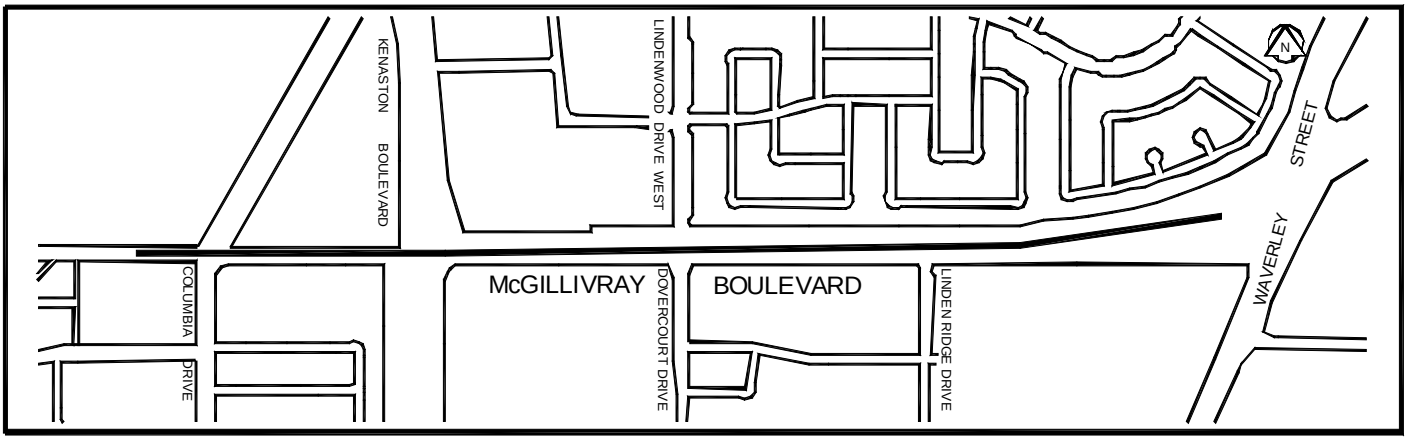
| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 90 | 524 | 90 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 41 | 411 | 1,007 |
| **SURPLUS/(DEFICIT)** | 49 | 112 | (917) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Note: 2007 funding for procurement costs

2010, 2011, 2012 cash flow amounts are lease payments based on a payment schedule which includes annual maintenance charges.

Twinning of McGillivray Boulevard between Waverley Street and Columbia Drive will improve capacity to accommodate existing and projected travel demands. Intersection improvements at Kenaston Boulevard will alleviate traffic congestion and delays there.



Project Name: **Regional and Local Streets**

Department: 180604
Project: 180400xx07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 45,018 | 41,049 | 53,825 | 28,654 | 42,490 | 32,210 | 198,228 | 243,246 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 24,048 | 16,589 | 20,805 | 21,654 | 35,490 | 25,210 | 119,748 | 143,796 |
| Federal Gas Tax | | 13,970 | 17,460 | 26,020 | | | | 43,480 | 57,450 |
| Provincial Building Manitoba Fund - Roads | | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 35,000 | 42,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 38,265 | 41,794 | 51,909 | 32,430 | 40,415 | 33,752 | 4,681 | 243,246 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 17,295 | 17,334 | 18,889 | 25,430 | 33,415 | 26,752 | 4,681 | 143,796 |
| Federal Gas Tax | 13,970 | 17,460 | 26,020 | | | | | 57,450 |
| Provincial Building Manitoba Fund - Roads | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | | 42,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 2,296 | 2,508 | 3,114 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 219 | 877 |
| **SURPLUS/(DEFICIT)** | 2,296 | 2,289 | 2,237 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Regional and Local Streets program includes the renewal and reconstruction of the City's streets, sidewalks and lanes. The purpose of this program is to maintain the level of service, structural integrity and rideability of the streets infrastructure network. See next page for program details.

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

***Regional and Local Streets (cont'd):***

| **Future projects in Regional and Local Street Renewals** | **Authorization** | | | | | | |
|---|---|---|---|---|---|---|---|
| **Program include the following (all figures in 000's):** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **Six-Year Total** |
| ***Regional Sidewalk and Curb Renewals:*** | | | | | | | |
| Sidewalk and Curb Renewals - Regional Streets | 500 | 500 | 500 | 500 | 500 | 500 | 3,000 |
| Preventative Maintenance - Various Locations | 500 | | | | | | 500 |
| ***Regional Major Rehabilitation Works:*** | | | | | | | |
| Inkster Boulevard - Main Street to Lansdowne Avenue | 300 | | | | | | 300 |
| Corydon Avenue - Cambridge Street to Kenaston Boulevard | 900 | 300 | 300 | 300 | 300 | 300 | 2,400 |
| King Edward Street - Saskatchewan Avenue to Ellice Avenue | 3,020 | | | | | | 3,020 |
| Logan Avenue - Weston Street to Blake Street | 3,020 | | | | | | 3,020 |
| Vaughan Street - York Avenue to Graham Avenue | 790 | | | | | | 790 |
| Waverley Street - Bishop Grandin Boulevard to Bison Drive | 2,000 | | | | | | 2,000 |
| Pembina Highway (N/B) - Stafford Street to Grant Avenue | 1,440 | | | | | | 1,440 |
| Ness Avenue (W/B) - Belvidere Street to Moorgate Street | 440 | | | | | | 440 |
| McPhillips Street (N/B) - Swailes Avenue to Murray Road | 900 | | | | | | 900 |
| Dakota Street - Bishop Grandin Boulevard to Meadowood Drive | 1000 | | | | | | 1,000 |
| Grant Avenue (W/B) - Pembina Highway to Stafford Avenue | 660 | | | | | | 660 |
| Tuxedo Boulevard - Kenaston Boulevard to Corydon Avenue | 1,000 | | | | | | 1,000 |
| Bishop Grandin Boulevard (E/B) - St. Anne's Road to Lakewood Boulevard | 900 | | | | | | 900 |
| Henderson Highway (S/B) - Essar Avenue to Rowandale Avenue | 1,280 | | | | | | 1,280 |
| Oak Point Highway/ Brookside Boulevard (N/B) - Eagle Drive to 200m north of Inkster Boulevard | 1400 | | | | | | 1,400 |
| McGillivray Boulevard (E/B) - Waverley Street to Irene Street | 920 | | | | | | 920 |
| (If additional funds available) | | | | | | | |
| Lagimodiere Boulevard (S/B) - Fermor Avenue to East Mint Place | | | | | | | - |
| ***Regional Mill and Fill Rehabilitation Works:*** | | | | | | | |
| Pembina Highway (S/B) - Markham Road to Bison Drive | 320 | | | | | | 320 |
| Corydon Avenue - Nassau Street North to Lilac Street | 440 | | | | | | 440 |
| Henderson Highway (N/B) - Munroe Avenue to Leighton Avenue | 500 | | | | | | 500 |
| Grant Avenue (E/B) - Kenaston Boulevard to Lanark Street | 270 | | | | | | 270 |
| Portage Avenue (E/B) - Whytewold Road to Sharp Boulevard | 520 | | | | | | 520 |
| McPhillips Street (S/B) - Chamberlain Avenue to Mountain Avenue | 270 | | | | | | 270 |
| St. Mary's Road - Tache Avenue to south of Traverse Avenue | 360 | | | | | | 360 |
| Portage Avenue East - Westbrook Street to Fort Street | 200 | | | | | | 200 |
| Higgins Avenue - Austin Street to Annabella Street | 400 | | | | | | 400 |
| (If additional funds available) | | | | | | | |
| Sherbrook Street - Broadway to Portage Avenue | | | | | | | - |
| Osborne Street - Togo Avenue to Stradbrook Avenue | | | | | | | - |
| Regional Street Renewals - Annual Program - Various locations to be identified. | | 24,849 | 34,944 | 12,454 | 26,290 | 18,010 | 116,547 |
| Lane Renewals - Various Locations | 749 | | | | | | 749 |
| Curb Repairs on Local Streets - Various Locations | 250 | | | | | | 250 |
| Sidewalk Renewals on Local Streets - Various Locations | 400 | 400 | 400 | 400 | 400 | 400 | 2,400 |
| Local Street Renewals - Various Locations | 14,469 | 8,500 | 14,681 | 12,000 | 12,000 | 10,000 | 71,650 |
| Residential Thin Bituminous Overlay (TBO) | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 18,000 |
| Buffalo Place - Fennell Street to Otter Street | 1,000 | | | | | | 1,000 |
| Gunn Road - Redonda Street to Plessis Road | 900 | | | | | | 900 |
| Panet Road / Molson Street Widening - Munroe Avenue to Kimberly Avenue | | 3,500 | | | | | 3,500 |
| **Total Regional and Local Streets Program** | **45,018** | **41,049** | **53,825** | **28,654** | **42,490** | **32,210** | **243,246** |

Project Name: **Hamilton Avenue Bridge (Sturgeon Creek)**

Department: 180604
Project: 180500xx07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

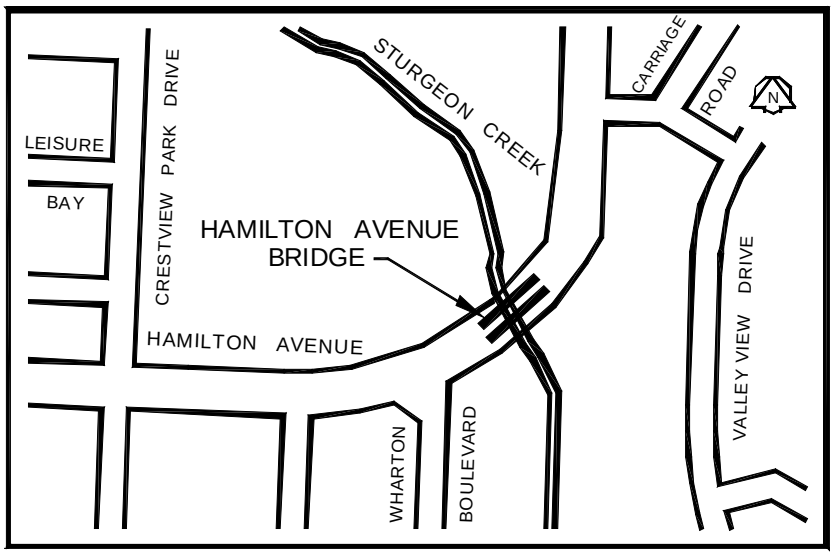
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 2,000 | - | - | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 2,000 | | | | | | | 2,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,600 | 400 | - | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,600 | 400 | | | | | | 2,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 96 | 24 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 13 | 38 |
| **SURPLUS/(DEFICIT)** | 96 | 11 | (38) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full bridge rehabilitation including replacement of progressively deteriorating superstructure and addition of a sidewalk on the north side of the bridge.



Project Name: **Sturgeon Road Bridge (Sturgeon Creek)**

Department: 180604
Project: 180500xx11

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

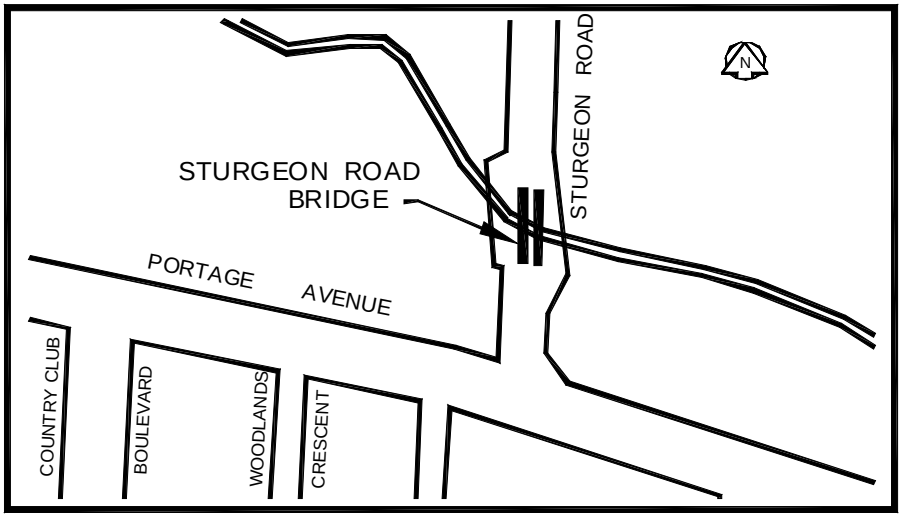
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | - | - | 1,500 | 6,500 | 8,000 | 8,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | 1,500 | 6,500 | 8,000 | 8,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,200 | 5,825 | 975 | 8,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 1,200 | 5,825 | 975 | 8,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Construct a new bridge to replace existing deteriorated structure. The new structure will eliminate truck load restrictions and allow for a linear pedestrian pathway along Sturgeon Creek underneath the bridge. Engineering design in 2011 with construction in 2012.



Project Name: **Osborne Street Bridge (Assiniboine River)**

Department: 180604
Project: 180500xx10

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

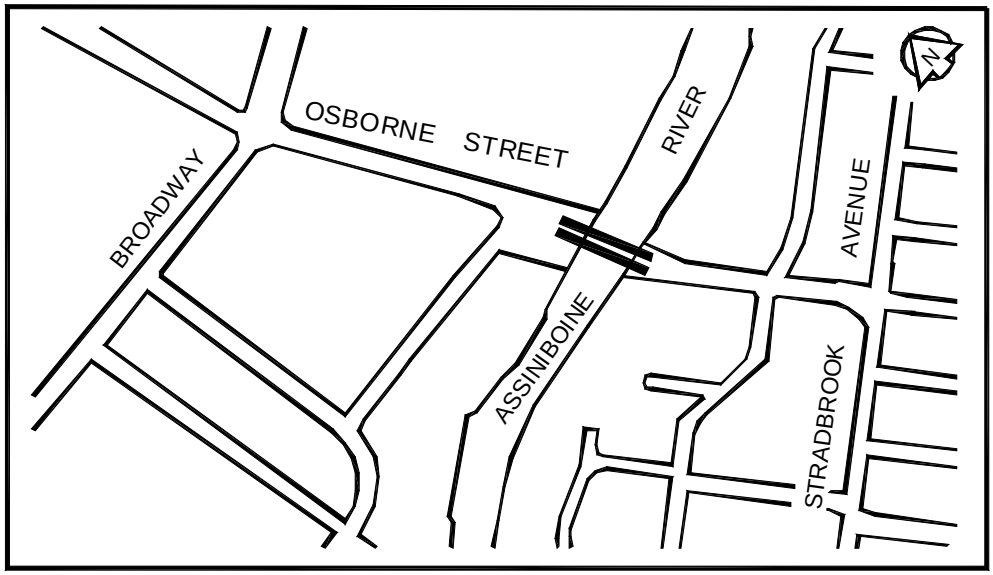
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | - | 1,100 | 5,000 | 2,500 | 8,600 | 8,600 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 1,100 | 5,000 | 2,500 | 8,600 | 8,600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 935 | 4,415 | 2,875 | 375 | 8,600 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 935 | 4,415 | 2,875 | 375 | 8,600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full rehabilitation of the bridge including roadside safety improvements. Engineering design in 2010 with construction over a two year period in 2011 and 2012.



Project Name: **Jubilee Avenue Overpass (Pembina Highway)**

Department: 180604
Project: 180500xx09

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

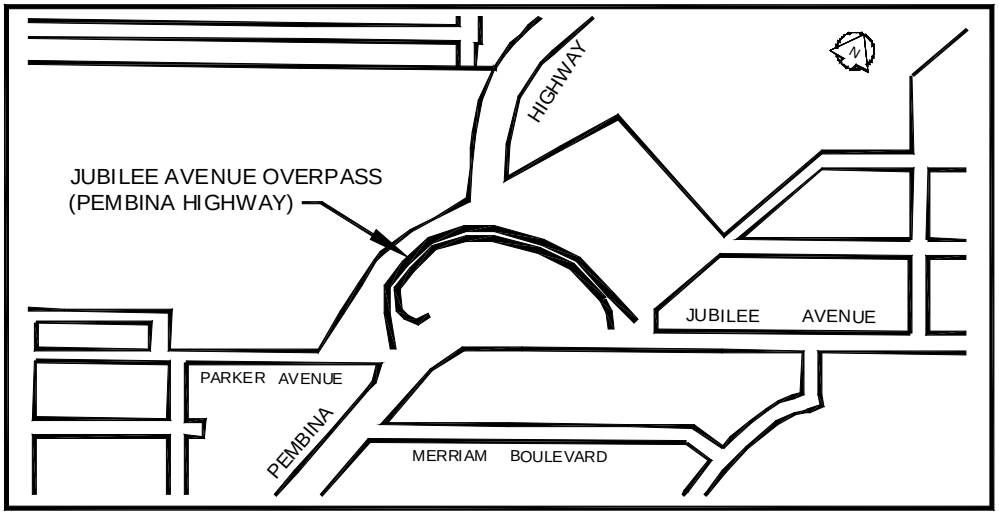
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | 600 | 5,500 | - | - | 6,100 | 6,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 600 | 5,500 | | | 6,100 | 6,100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 480 | 4,520 | 1,100 | - | - | 6,100 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 480 | 4,520 | 1,100 | | | 6,100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | 28 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 16 |
| **SURPLUS/(DEFICIT)** | - | - | 12 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full rehabilitation of overpass bridge structure and related roadway approach ramps including roadside safety improvements. Engineering design in 2009 with construction in 2010.



Project Name: **Waverley Street / CN Mainline Grade Separation**

Department: 180604
Project: 180500xx10

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Invest Strategically in New Infrastructure (3D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | - | 908 | - | - | 908 | 908 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 908 | | | 908 | 908 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 772 | 136 | - | - | 908 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 772 | 136 | | | 908 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2010 - Includes preliminary engineering, environmental impact study, public participation, land acquisition, and engineering design.

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

Department: 180604
Project: 1805000107

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 10,000 | 12,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 10,000 | 12,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,700 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 300 | 12,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,700 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 300 | 12,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 102 | 120 | 120 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 47 | 210 | 400 |
| **SURPLUS/(DEFICIT)** | 55 | (90) | (280) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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

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

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

Department: 180604
Project: 180500XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,311 | 91,000 | | | | | | - | 91,000 |
| Financed by: | | | | | | | | | |
| Public Private Partnership | | 91,000 | | | | | | - | 91,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 10,297 | 10,297 | 10,297 | 298,027 | 328,918 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) See Note | | | | 10,297 | 10,297 | 10,297 | 298,027 | 328,918 |

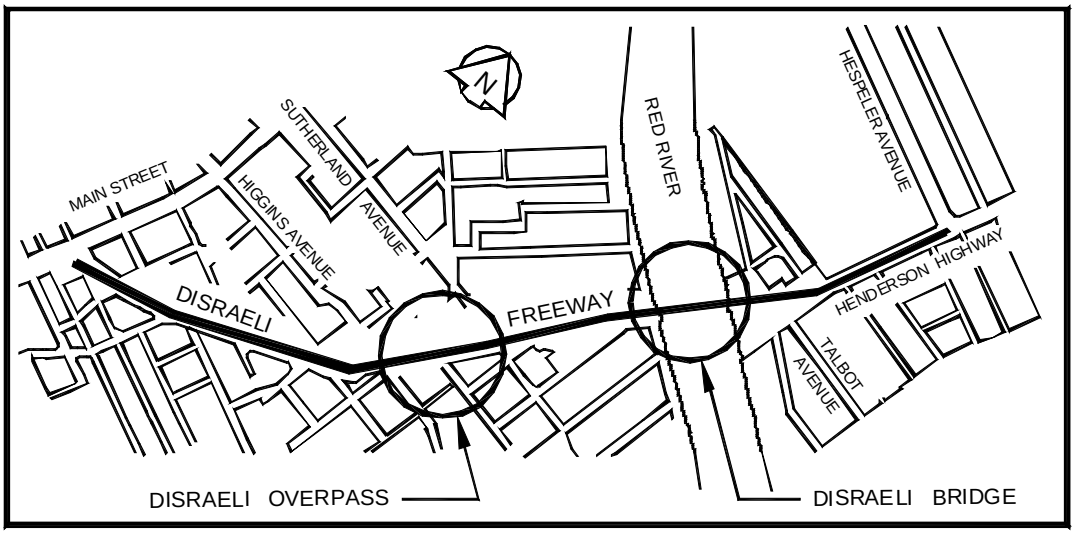
| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 4,368 | 1,092 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 2,002 | 6,794 | 7,935 |
| **SURPLUS/(DEFICIT)** | 2,366 | (5,702) | (7,935) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Undertake a full rehabilitation of river bridge, overpass and related roadworks.

Previous budgets include procurement costs.

Lease payments in 2010, 2011, 2012 and beyond assume a payment schedule which includes an annual maintenance charge.



Project Name: **Culvert Replacement Program - St. Matthews Avenue (Omand's Creek)**

Department: 180604
Project: 180500xx07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

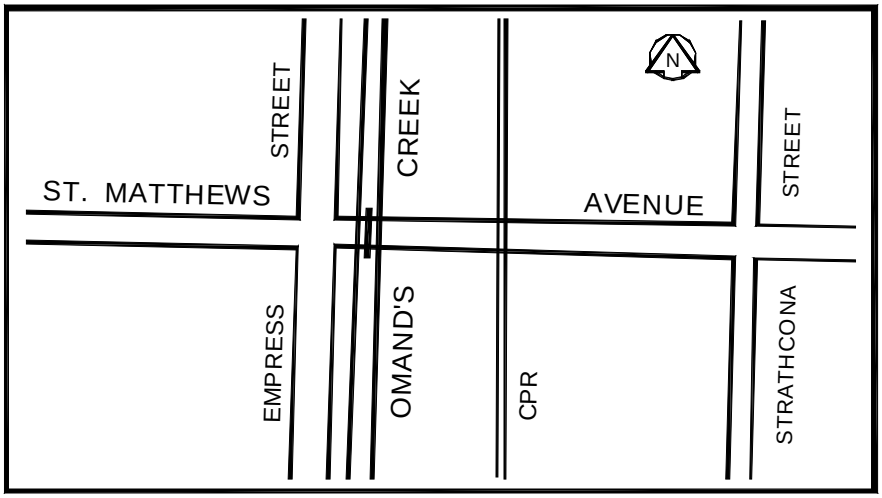
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 200 | - | 1,600 | - | - | - | 1,600 | 1,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | | | | | | | 200 |
| Federal Gas Tax | | | | 1,600 | | | | 1,600 | 1,600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 160 | 40 | 1,600 | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 160 | 40 | | | | | | 200 |
| Federal Gas Tax | | | 1,600 | | | | | 1,600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 10 | 2 | 96 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 4 | 15 | 69 |
| **SURPLUS/(DEFICIT)** | 6 | (13) | 27 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Replace existing deteriorated twin metal culverts with a new waterway crossing structure. Preliminary engineering and property acquisition in 2007 with construction in 2009.



Project Name: **Fort Garry Bridge Rehabilitation and Widening**

Department: 180604
Project: 180500xx07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

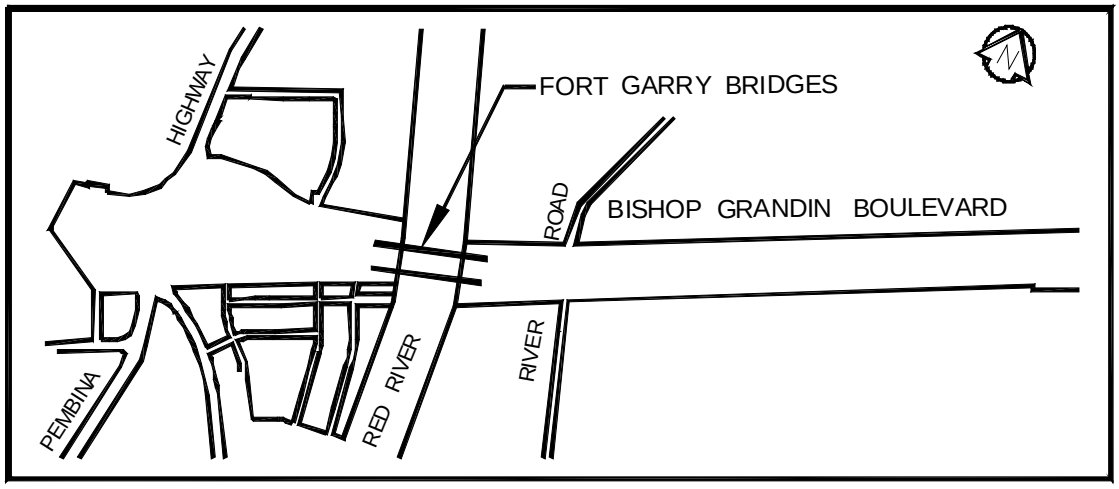
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 1,000 | 9,000 | 7,000 | - | - | - | 16,000 | 17,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,000 | 9,000 | 300 | | | | 9,300 | 10,300 |
| Federal Gas Tax | | | | 6,700 | | | | 6,700 | 6,700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 850 | 7,800 | 6,950 | 1,400 | - | - | - | 17,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 850 | 7,800 | 250 | 1,400 | | | | 10,300 |
| Federal Gas Tax | | | 6,700 | | | | | 6,700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 52 | 468 | 417 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 23 | 326 | 1,041 |
| **SURPLUS/(DEFICIT)** | 29 | 142 | (624) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full bridge rehabilitation and related roadworks including widening of the westbound bridge to add a third lane for exit traffic to Pembina Highway. Current truck load restrictions will be removed. Engineering design in 2007 with construction on the westbound and eastbound bridges in 2008 and 2009 respectively.




* N/A - No amounts have been included in the "Previous Budgets".

Project Name: **Charleswood Bridge**

Department: 180604
Project: 180500XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Direct Arterial Street System Investments (3D-04 )

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | - | - | - | - | - | - |
| | | | | | | | | | |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 17,736 | 26,604 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) See Note | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 1,478 | 17,736 | 26,604 |

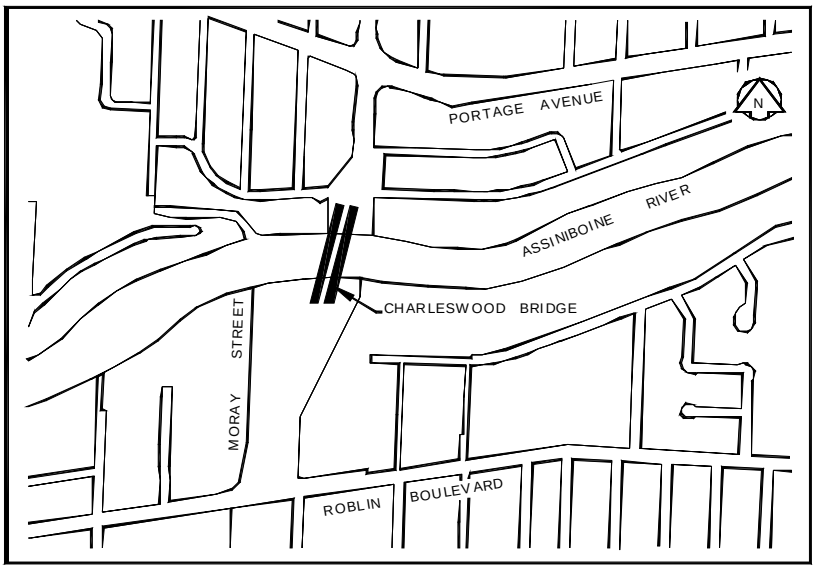
| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

Note: Cash flow beyond 2012 equals payments to 2024.



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

Department: 180604
Project: 180100XX07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Direct Arterial Street System Investments (3D-04 )

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 1,300 | 15,700 | 17,800 | - | - | - | 33,500 | 34,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,300 | 15,700 | 17,800 | | | | 33,500 | 34,800 |

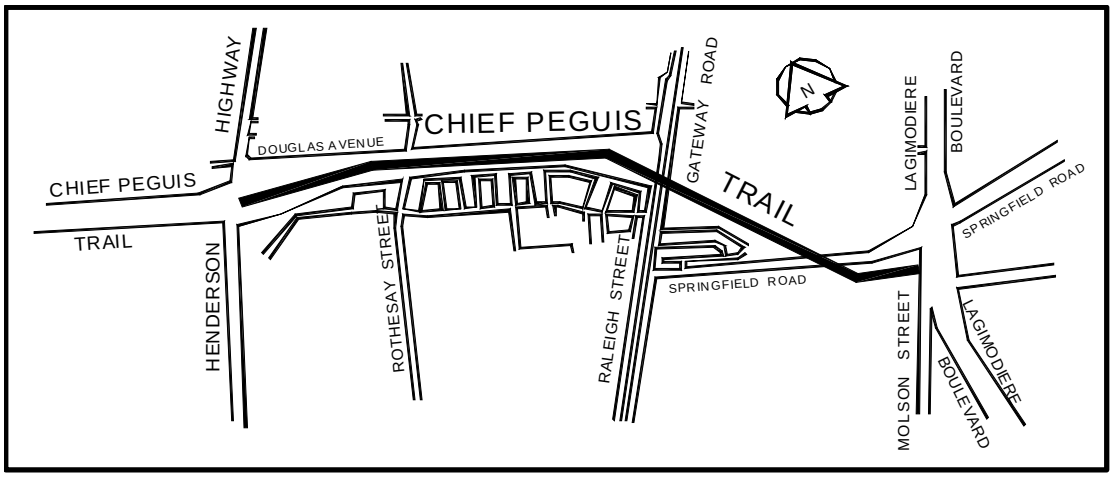
| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,105 | 13,540 | 17,485 | 2,670 | - | - | - | 34,800 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,105 | 13,540 | 17,485 | 2,670 | | | | 34,800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 66 | 812 | 1,049 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 30 | 534 | 1,951 |
| **SURPLUS/(DEFICIT)** | 36 | 278 | (902) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Extension of the Chief Peguis Trail from Henderson Highway to Lagimodiere Boulevard will improve capacity to accommodate existing and projected travel demands, as well as reduce through traffic on the residential street system between Henderson Highway and Lagimodiere Boulevard.

2007 - Includes preliminary engineering, environmental impact study, public participation, land acquisition, and engineering design with construction over a two year period in 2008 and 2009.



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

Department: 180604
Project: 1812000107

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 100 | - | 100 | 100 | 100 | 400 | 600 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | 100 | | 100 | 100 | 100 | 400 | 600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 170 | 115 | 15 | 85 | 100 | 100 | 15 | 600 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 170 | 115 | 15 | 85 | 100 | 100 | 15 | 600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 10 | 6 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 5 | 18 | 26 |
| **SURPLUS/(DEFICIT)** | 5 | (12) | (26) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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. Work is underway in the Building Services Division, Bridge Maintenance Branch and the Parks and Open Space Division.

* 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: 180604
Project: 1813000107

Capital Priority Rating: 2 - 3
Plan Winnipeg Indicator: Planned Development, Transportation and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 250 | 150 | 150 | 150 | 150 | 150 | 750 | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 250 | 150 | 150 | 150 | 150 | 150 | 750 | 1,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 213 | 165 | 150 | 150 | 150 | 150 | 22 | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 213 | 165 | 150 | 150 | 150 | 150 | 22 | 1,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 12 | 10 | 10 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 6 | 24 | 39 |
| **SURPLUS/(DEFICIT)** | 6 | (14) | (29) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Land Drainage sewers required in conjunction with isolated catch basins and connections for new pavements in the Regional/Local Streets/ back lane systems and Local Improvement projects as well as miscellaneous drainage improvements.

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

Project Name: **Pembina Highway and Grandmont Boulevard Riverbank Stabilization**

Department: 180604
Project: 180500xx07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 500 | | | | | | | 500 |

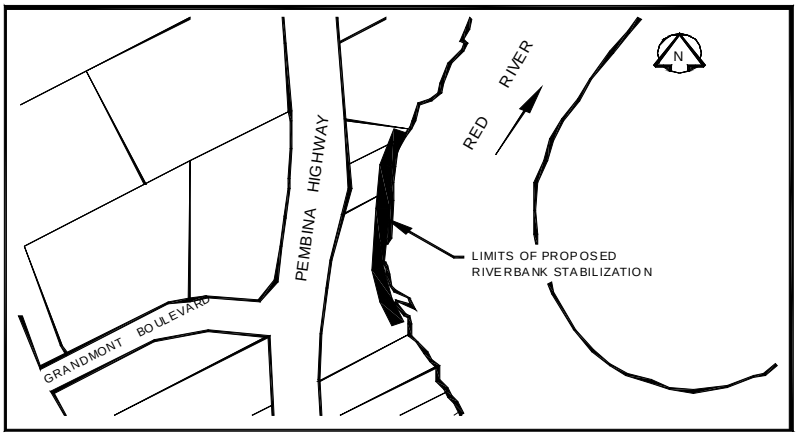
| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 450 | 50 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 450 | 50 | | | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 28 | 4 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 12 | 40 | 43 |
| **SURPLUS/(DEFICIT)** | 16 | (36) | (43) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Stabilization measures involve the construction of rock columns and rip rap erosion protection to stabilize the riverbank between the Red River and Pembina Highway near Grandmont Boulevard. Construction work should commence in early January 2007 so as to maximize the construction window before the spring thaw.

This project has "First Call" against 2007 Capital Budget as per Council meeting on Dec. 6, 2006, Minute 78. The first $1 million will come from the Riverbank Stabilization - Physical Asset Protection project in Planning, Property and Development, with the remaining $500,000 to come from this Public Works project.



Project Name: **Sand / Salt Storage Facility**

Department: 180604
Project: 1815000107

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Committing to Environmental Stewardship - Address Water, Air, and Noise Pollution (5A-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 1,000 | 600 | - | - | - | - | 600 | 1,600 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,000 | 600 | | | | | 600 | 1,600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 600 | - | - | - | - | - | 1,600 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,000 | 600 | | | | | | 1,600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 60 | 36 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 28 | 105 | 142 |
| **SURPLUS/(DEFICIT)** | 32 | (69) | (142) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The facility will be constructed in 2007 in conjunction with the east yards development. It will store salt and treated sand for use in snow and ice control. Recent guidelines for the environmental management of road salt use recommends that road authorities across Canada increase protection for materials exposed to wind or precipitation in order to minimize loss of salt to the environment.

Project Name: **City-Wide Accessibility Program**

Department: 180604
Project: 1814000107

Capital Priority Rating: 2 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Promote Mobility Through Principles of Universal Design (3C-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 250 | 250 | 250 | 250 | 250 | 250 | 1,250 | 1,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 213 | 250 | 250 | 250 | 250 | 250 | 37 | 1,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 12 | 16 | 16 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 6 | 26 | 50 |
| **SURPLUS/(DEFICIT)** | 6 | (10) | (34) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funding to address accessibility issues (Executive Policy Committee recommendation adopted by Council September 25, 2002).

Project Name: **Reforestation - Improvements**

Department: 180605
Project: 1850000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Protect and Enhance Urban Forests (5E-03)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 383 | 383 | 383 | 383 | 383 | 433 | 1,965 | 2,348 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 383 | 383 | 383 | 383 | 383 | 433 | 1,965 | 2,348 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 326 | 383 | 383 | 383 | 383 | 425 | 65 | 2,348 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 326 | 383 | 383 | 383 | 383 | 425 | 65 | 2,348 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 20 | 22 | 22 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 9 | 40 | 77 |
| **SURPLUS/(DEFICIT)** | 11 | (18) | (55) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Sustainable urban forest management program may include tree replacement, tree pruning and inventory along City boulevards and in 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: 180605
Project: 185200xx07

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 170 | 200 | 200 | 200 | 200 | 200 | 30 | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 170 | 200 | 200 | 200 | 200 | 200 | 30 | 1,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 10 | 12 | 12 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 5 | 21 | 40 |
| **SURPLUS/(DEFICIT)** | 5 | (9) | (28) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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;

| Funds will be allocated to: | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Total |
|---|---|---|---|---|---|---|---|
| John Blumberg - Soccer | 100 | | | | | | 100 |
| Kirkbridge Park - Athletic Fields | 100 | | | | | | 100 |
| Southdale C.C. - baseball diamonds | | 100 | | | | | 100 |
| Grant Park Athletic Fields | | 100 | | | | | 100 |
| Athletic Field Upgrading - Various | | | 200 | 200 | 200 | 200 | 800 |
| | 200 | 200 | 200 | 200 | 200 | 200 | 1,200 |

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

Project Name: **Parks - Improvements**

Department: 180605
Project: 185300xx07

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 900 | 1,250 | 900 | 808 | 262 | 617 | 3,837 | 4,737 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 900 | 1,250 | 900 | 808 | 262 | 617 | 3,837 | 4,737 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 765 | 1,198 | 953 | 822 | 344 | 564 | 92 | 4,737 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 765 | 1,198 | 953 | 822 | 344 | 564 | 93 | 4,737 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 46 | 72 | 58 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 21 | 104 | 210 |
| **SURPLUS/(DEFICIT)** | 25 | (32) | (152) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and/or improvements to various parks to repair aging park infrastructure including roadways, pathways, landscaping, drainage, facilities and related amenities;

| Funds will be allocated to: | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Total |
|---|---|---|---|---|---|---|---|
| Kildonan Park and Peguis Pavilion Upgrading | 900 | 1,000 | 900 | 200 | | | 3,000 |
| Kirkbridge Park | | 250 | | | | | 250 |
| Assiniboine River Walk | | | | 408 | | | 408 |
| Whittier Park | | | | 200 | | | 200 |
| Lawn Bowling - various locations | | | | | 150 | | 150 |
| Various locations | | | | | 112 | 617 | 729 |
| | 900 | 1,250 | 900 | 808 | 262 | 617 | 4,737 |

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

Project Name: **Playground Structures**

Department: 180605
Project: 1855000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,750 | 1,750 | 1,750 | 1,750 | 1,750 | 1,800 | 8,800 | 10,550 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,750 | 1,750 | 1,750 | 1,750 | 1,750 | 1,800 | 8,800 | 10,550 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,488 | 1,750 | 1,750 | 1,750 | 1,750 | 1,792 | 270 | 10,550 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,488 | 1,750 | 1,750 | 1,750 | 1,750 | 1,792 | 270 | 10,550 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 90 | 106 | 106 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 41 | 184 | 350 |
| **SURPLUS/(DEFICIT)** | 49 | (78) | (244) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Replacement of playground structures at various locations;

| Funds will be allocated to: | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Total |
|---|---|---|---|---|---|---|---|
| Robertson Park | 83 | | | | | | 83 |
| Avaco Snowdon Park | 83 | | | | | | 83 |
| Caron Park | 84 | | | | | | 84 |
| Parks & Playground Structures City-wide | 1,500 | 1,750 | 1,750 | 1,750 | 1,750 | 1,800 | 10,300 |
| | 1,750 | 1,750 | 1,750 | 1,750 | 1,750 | 1,800 | 10,550 |

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

Project Name: **Pathway / Roadway / Tennis Court Upgrading**

Department: 180605
Project: 185600xx07

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 150 | 150 | 150 | - | - | 150 | 450 | 600 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 150 | 150 | 150 | | | 150 | 450 | 600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 127 | 150 | 150 | 23 | - | 127 | 23 | 600 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 127 | 150 | 150 | 23 | | 127 | 23 | 600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | 9 | 10 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 30 |
| **SURPLUS/(DEFICIT)** | - | 9 | (20) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upgrading of pathways, roadways and tennis courts at various parks locations;

| Funds will be allocated to: | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Total |
|---|---|---|---|---|---|---|---|
| Bruce Park | 150 | | | | | | 150 |
| Various Locations | | 150 | 150 | | | 150 | 450 |
| | 150 | 150 | 150 | | | 150 | 600 |

* N/A - No amounts have been included in the "Previous Budgets", 2007 is the first year of this program.

Project Name: **Community Centres - Refurbishing and Improvements**

Department: 180680
Project: 1880000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 (Equity in Capital Assets Fund) | | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 | 3,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 425 | 500 | 500 | 500 | 500 | 500 | 75 | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 425 | 500 | 500 | 500 | 500 | 500 | 75 | 3,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 26 | 30 | 30 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 12 | 52 | 100 |
| **SURPLUS/(DEFICIT)** | 14 | (22) | (70) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and/or replacement of building components and systems to meet safety and health concerns and correct deteriorating infrastructure. Projects for 2007 include the following:

| | |
|---|---|
| Roofing/building envelope at Norwood, Bord-Aire, Kirkfield Westwood, South Transcona and Sinclair | $435,000 |
| Structural repairs at Dakota | $65,000 |
| | $500,000 |

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

Project Name: **Arenas**

Department: 180680
Project: 1881000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 (Equity in Capital Assets Fund) | | 525 | 525 | 525 | 525 | 525 | 525 | 2,625 | 3,150 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 446 | 525 | 525 | 525 | 525 | 525 | 79 | 3,150 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 446 | 525 | 525 | 525 | 525 | 525 | 79 | 3,150 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 26 | 32 | 32 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 12 | 55 | 105 |
| **SURPLUS/(DEFICIT)** | 14 | (23) | (73) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 2007 include the following:

| | |
|---|---|
| Roofing - portions of Bertrand, Old Ex, Terry Sawchuk | $150,000 |
| Glue Lam beam repairs / cinder block walls re-pointed - St. Vital | $125,000 |
| Condenser replacement - Billy Mosienko and Pioneer | $100,000 |
| Parking lot repairs / replacement - Various locations | $100,000 |
| Asset Management | $50,000 |
| | $525,000 |

* 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: 180680
Project: 1882000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,650 | 2,450 | 2,450 | 2,450 | 2,450 | 2,530 | 12,330 | 14,980 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 2,650 | 2,450 | 2,450 | 2,450 | 2,450 | 2,530 | 12,330 | 14,980 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,253 | 2,480 | 2,450 | 2,450 | 2,450 | 2,517 | 380 | 14,980 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 2,253 | 2,480 | 2,450 | 2,450 | 2,450 | 2,517 | 380 | 14,980 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 136 | 148 | 148 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 62 | 273 | 508 |
| **SURPLUS/(DEFICIT)** | 74 | (125) | (360) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and replacement of deteriorated building components/systems to selected aquatic facilities due to safety issues and aging building systems. Projects for 2007 include the following:

| | |
|---|---|
| Emergency lighting / fire alarm system upgrade - Pan Am, Cindy Klassen Recreation Complex | $250,000 |
| Mechanical system upgrade - Cindy Klassen Recreation Complex | $500,000 |
| Parking lot replacement program - Cindy Klassen Recreation Complex | $100,000 |
| Pool tank tiling program - Transcona Pool | $100,000 |
| Building envelope program at Transcona Pool | $300,000 |
| HVAC refurbishment / air balancing program - Pan Am, Cindy Klassen Recreation Complex | $500,000 |
| Boiler replacement - Margaret Grant, St. James Civic Centre, Bonivital and Elmwood Kildonan | $250,000 |
| Chlorine rooms / chemical feed systems refurbishment program - Pan Am, Bonivital, Seven Oaks, Elmwood Kildonan, St. James Centennial | $125,000 |
| DE filter system replacement program - Seven Oaks, Elmwood Kildonan, Bonivital, St. James Centennial | $100,000 |
| Water service / plumbing upgrades - Elmwood Kildonan, Seven Oaks and Bonivital | $125,000 |
| Water slide replacement - Elmwood Kildonan Pool | $200,000 |
| Fire safety exit ramp / fire rated interior doors - Cindy Klassen Recreation Complex, Elmwood Kildonan, Eldon Ross | $100,000 |
| | $2,650,000 |

* 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: 180680
Project: 1883000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 450 | 450 | 450 | 450 | 450 | 450 | 2,250 | 2,700 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 450 | 450 | 450 | 450 | 450 | 450 | 2,250 | 2,700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 382 | 450 | 450 | 450 | 450 | 450 | 68 | 2,700 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 382 | 450 | 450 | 450 | 450 | 450 | 68 | 2,700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 22 | 28 | 28 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 11 | 47 | 90 |
| **SURPLUS/(DEFICIT)** | 11 | (19) | (62) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishing/improvements to various outdoor facilities including wading pool basins, slide components, outdoor swimming pool tanks, mechanical system and pool decks required due to aging building infrastructure. Projects for 2007 include the following:

| | |
|---|---|
| Basin and apron/ equipment replacement/ repairs - Various Locations | $125,000 |
| Outdoor pool building envelope/ roof repairs - Various Locations | $150,000 |
| Outdoor pool tank repairs and painting | $175,000 |
| | $450,000 |

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

Project Name: **Community Facilities**

Department: 180680
Project: 1884000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Images, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | 200 | 200 | 200 | 200 | 200 | 1,000 | 1,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 170 | 200 | 200 | 200 | 200 | 200 | 30 | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 170 | 200 | 200 | 200 | 200 | 200 | 30 | 1,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 10 | 12 | 12 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 5 | 21 | 40 |
| **SURPLUS/(DEFICIT)** | 5 | (9) | (28) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and/or replacement of building components and systems to meet safety and health concerns and correct deteriorating infrastructure at shops, leisure centres, etc. Funding for 2007 is for Roof Replacement at 200 Isabel Street.

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

Project Name: **A/C Plant Refurbishing - Ozone Depletion Act Compliance**

Department: 180680
Project: 1885000106

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Address Water, Air and Noise Pollution (5A-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | | | | | | | 200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 170 | 30 | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 170 | 30 | | | | | | 200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 10 | 2 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 5 | 15 | 17 |
| **SURPLUS/(DEFICIT)** | 5 | (13) | (17) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upgrade of various A/C plants in recreation and those facilities in accordance with the Ozone Depletion Act. Replacement of freon refrigerants and any associated equipment involved in the change over at various indoor arenas and leisure/recreation centres.

Project Name: **Fire / Life Safety Replacement / Asbestos Abatement**

Department: 180680
Project: 1886000107

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Address Water, Air and Noise Pollution (5A-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 225 | 225 | 225 | 225 | 225 | 225 | 1,125 | 1,350 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 225 | 225 | 225 | 225 | 225 | 225 | 1,125 | 1,350 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 191 | 225 | 225 | 225 | 225 | 225 | 34 | 1,350 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 191 | 225 | 225 | 225 | 225 | 225 | 34 | 1,350 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 12 | 14 | 14 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 5 | 24 | 45 |
| **SURPLUS/(DEFICIT)** | 7 | (10) | (31) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upgrading/replacement of fire safety systems, emergency lighting, and asbestos abatement at various recreation facilities including pools, arenas, community centres and leisure centres to meet the requirements of Fire/Building Codes and possible changing Government regulations.

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

Project Name: **Security / Building Automation Systems Initiatives**

Department: 180680
Project: 1887000107

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Public Safety, Health, and Education - Promote Safety in Buildings (4B-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 125 | 125 | 125 | 125 | 125 | 125 | 625 | 750 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 125 | 125 | 125 | 125 | 125 | 125 | 625 | 750 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 106 | 125 | 125 | 125 | 125 | 125 | 19 | 750 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 106 | 125 | 125 | 125 | 125 | 125 | 19 | 750 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 6 | 8 | 8 |
| Less: | | | |
| Operating expenditures increase/(decrease) | 5 | 6 | 6 |
| Debt and finance charges increase | 3 | 13 | 25 |
| **SURPLUS/(DEFICIT)** | (2) | (11) | (23) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Security/building automation systems upgrade/new installation initiatives at various facilities including indoor pools, arenas, shops, leisure centres, etc. This program will focus on security system installation/upgrading and remote monitoring/control of buildings to reflect the evolving risk management needs to protect City staff and property from potential injury and loss.

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

Project Name: **Building Asset / Work Management Program**

Department: 180680
Project: 188000xx07

Capital Priority Rating: 3-4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 250 | - | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 250 | | | | | | | 250 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 213 | 37 | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 213 | 37 | | | | | | 250 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 13 | 2 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 6 | 19 | 22 |
| **SURPLUS/(DEFICIT)** | 7 | (17) | (22) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Auditor presented a 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 program and linking to other Division programs.

Project Name: **Recreation and Leisure Facilities**

Department: 180680
Project: 1889000106

Capital Priority Rating: 1 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Leisure Facilities (5D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 12,515 | 11,745 | 17,375 | 2,125 | 100 | - | - | 19,600 | 31,345 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 860 | 9,000 | | 9,860 | 9,860 |
| General Purpose Reserve | | 3,403 | 2,650 | | | (9,000) | | (6,350) | (2,947) |
| Transfer from Sewage Disposal Utility Capital Program | | 3,217 | 923 | | 3,292 | | | 4,215 | 7,432 |
| Canada Strategic Infrastructure Fund - Province | | 5,125 | 5,125 | 3,638 | 3,112 | | | 11,875 | 17,000 |
| Interim Financing (Repayment) | | | 8,677 | (1,513) | (7,164) | | | - | - |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,509 | 16,480 | 6,437 | 919 | - | - | - | 31,345 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 860 | 9,000 | | | 9,860 |
| General Purpose Reserve | | 922 | 4,312 | 819 | (9,000) | | | (2,947) |
| Transfer from Sewage Disposal Utility Capital Program | 2,384 | 1,756 | | 3,292 | | | | 7,432 |
| Canada Strategic Infrastructure Fund - Province | 5,125 | 5,125 | 3,638 | 3,112 | | | | 17,000 |
| Interim Financing (Repayment) | | 8,677 | (1,513) | (7,164) | | | | - |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 150 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | 486 | 486 | 486 |
| Debt and finance charges increase | 206 | 1,175 | 2,418 |
| **SURPLUS/(DEFICIT)** | (542) | (1,661) | (2,904) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

## PUBLIC WORKS - GENERAL CAPITAL FUND

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. The timelines for 2007-2010 projects will be finalized each year through the capital budget process considering priorities, project readiness and financial/operational capacity.

| Funds will be allocated to: | 2007 | 2008 | 2009 | 2010 | 2011 | TOTAL |
|---|---|---|---|---|---|---|
| North End Recreation & Leisure Facility | | 5,300 | | | | 5,300 |
| Sinclair Park Recreation & Leisure Facility | 1,000 | | | | | 1,000 |
| Community Centre Investment Fund | 3,000 | 2,000 | 2,000 | | | 7,000 |
| Kildonan Park Urban Oasis | 900 | 8,100 | | | | 9,000 |
| Spray Parks/Pads | 650 | 1,100 | | | | 1,750 |
| Winnipeg Soccer Complex | 6,000 | | | | | 6,000 |
| Skateboard Parks | | 700 | | | | 700 |
| Administration and Overhead Charges | 195 | 175 | 125 | 100 | | 595 |
| | 11,745 | 17,375 | 2,125 | 100 | - | 31,345 |

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

Department: 120699
Project: 1220xxxx06

Capital Priority Rating: 2-3
Plan Winnipeg Indicator: Planned Development, Transportation and Infrastructure - Commit Foremost to the maintenance and renewal of existing infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,569 | 11,600 | 1,600 | 1,600 | 1,600 | 1,600 | 18,000 | 20,569 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,789 | 680 | 225 | 80 | 80 | 80 | 1,145 | 2,934 |
| Interim Financing | 1,661 | (916) | (600) | (145) | | | | (745) | (1,661) |
| District Receivable | | | 10,000 | | | | | 10,000 | 10,000 |
| External Debt | | 1,696 | 1,520 | 1,520 | 1,520 | 1,520 | 1,520 | 7,600 | 9,296 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,184 | 11,745 | 1,600 | 1,600 | 1,600 | 1,600 | 240 | 20,569 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,658 | 799 | 225 | 80 | 80 | 80 | 12 | 2,934 |
| Interim Financing | (916) | (600) | (145) | | | | | (1,661) |
| District Receivable | | 10,000 | | | | | | 10,000 |
| External Debt | 1,442 | 1,546 | 1,520 | 1,520 | 1,520 | 1,520 | 228 | 9,296 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 120 | 154 | 696 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 55 | 255 | 793 |
| **SURPLUS/(DEFICIT)** | 65 | (101) | (97) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Local Improvement Capital Projects are those which are financed partly by a direct levy on the properties benefited (Property Owner's Share) and partly by a mill rate levy over the City-At-Large (City's Share). 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 water mains 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: 620650
Project: 62510001yy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Downtown and Neighbourhoods - Support Neighbourhood Revitalization (1B-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,393 | 1,421 | 1,449 | 1,478 | 1,508 | 1,538 | 7,394 | 8,787 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,393 | 1,421 | 1,449 | 1,478 | 1,508 | 1,538 | 7,394 | 8,787 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,393 | 1,421 | 1,449 | 1,478 | 1,508 | 1,538 | - | 8,787 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,393 | 1,421 | 1,449 | 1,478 | 1,508 | 1,538 | | 8,787 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 38 | 179 | 315 |
| **SURPLUS/(DEFICIT)** | (38) | (179) | (315) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

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

Project Name: **Library Replacement - Various**

Department: 620610
Project: 62130001yy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Public Safety, Health, and Education - Provide High-Quality Library Services (4D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 911 | 360 | - | 3,000 | - | - | 4,000 | 7,000 | 7,360 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 360 | | 3,000 | | | 4,000 | 7,000 | 7,360 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 89 | 271 | 3,000 | - | - | 4,000 | - | 7,360 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 89 | 271 | 3,000 | | | 4,000 | | 7,360 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 2 | 17 | 132 |
| **SURPLUS/(DEFICIT)** | (2) | (17) | (132) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

These project funds are necessary to replace and furnish modern, safe and accessible libraries that are able to accommodate the changing demographics and needs of library users.

Project Name: **Library Shelving and Furniture Replacement Program**

Department: 620610
Project: 62110005yy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Public Safety, Health, and Education - Provide High-Quality Library Services (4D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 329 | - | 500 | - | - | 200 | 700 | 1,029 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 329 | | 500 | | | 200 | 700 | 1,029 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 329 | - | 500 | - | - | 200 | - | 1,029 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 329 | | 500 | | | 200 | | 1,029 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 9 | 31 | 48 |
| **SURPLUS/(DEFICIT)** | (9) | (31) | (48) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required to replace aging library shelving and furniture that cannot be accommodated within the existing operating budget of the Library Services Division. The average age of Winnipeg's branch libraries is approximately 40 years old. Much of the furniture and shelving dates from the original opening of those facilities. The furniture and shelving needs to be replaced in some cases for safety reasons and in order to ensure that library facilities remain welcoming spaces for the changing needs of library users.

Project Name: **Integrated Property Based Information Systems**

Department: 620661
Project: 62600001yy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | - | - | - | 500 | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 500 | | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 500 | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 500 | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 2010 project seeks to build upon community and neighbourhood information resources established by the Comminuty Resource Area (CRA) Phase of the Integrated Property-Based Systems Capital Program. The project will build infrastructure (eg. Expanded software servers; public access kiosks or an alternative accessing method) and partnerships to support inter-agency information sharing - increasing both the amount and quality of neighbourhood based information available to civic decision makers, community agencies, neighbourhood groups and individual citizens. Municipal governments throughout North America have begun to lead these types of enhanced information sharing/partnership initiatives.

a) Automation of Environmental Health Inspection and Reporting Systems - This project entails delivery of a complete Public Health Inspections Information system. The objective is to capitalize on the workflow improvements possible under the Amanda (BUILD) and License systems already in use within the Community Services Department's License Branch and Planning, Property and Development's permit and inspection systems. (99% completed).

b) Community Resource Area (CRA) data model and application development - This project will create and implement a Community Resource database. The project will integrate community-related information from City departments such as Property Assessment, Community Services, Fire Paramedic Services, Police Services, Planning, Property and Development and Public Works. External linkages to data from the Province of Manitoba, the Government of Canada and other agencies are also included in this project. The database will be comprised of community-related information linked to the City's property databases.

This project expands upon the partnership established between Community Services and Planning, Property and Development in the use of Amanda (BUILD) and other technologies including Geographic Information Systems, Web-based technologies, and the new Class Booking and Registration System.

Project Name: **Vehicle Guidance System & Office "Anti-Pesticide Registration" Management Software Package**

Department: 6206xx
Project: 622xxxxxyy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Environment, Image, and Amenities - Provide Safe and Effective Pest and Weed Control (5A-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 160 | 160 | 160 | - | - | 480 | 480 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 160 | 160 | 160 | | | 480 | 480 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 160 | 160 | 160 | - | - | - | 480 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 160 | 160 | 160 | | | | 480 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 5 | 20 |
| **SURPLUS/(DEFICIT)** | - | (5) | (20) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

To upgrade antiquated and deteriorating computer systems to enable the continued operation of vehicle guidance and pesticide spray systems that were first established in 1999. The upgraded system will provide an electronic road map and will list current vehicle locations, the location of "anti-pesticide registrants", and a tracking of all spray operations. The system will also provide vehicle telemetry information via a wireless network so that real-time positions and current status of all spray vehicles is displayed at a central coordinating office.

Project Name: **Renovate and Refurbish Various Library Branches**

Department: 6206xx
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Public Safety, Health and Education-Provide High-Quality Library Services (4D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,250 | - | - | - | 300 | 1,550 | 1,550 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 1,250 | | | | 300 | 1,550 | 1,550 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,250 | - | - | - | 300 | - | 1,550 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,250 | | | | 300 | | 1,550 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 41 | 119 |
| **SURPLUS/(DEFICIT)** | - | (41) | (119) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A capital program is needed to support ongoing renovations and refurbishments of existing library branches that cannot be supported within the existing Library operating budget. The average age of Winnipeg's branch libraries is approximately 40 years old. Improvements to facilities will include replacing carpeting, flooring, painting, counters and service points, undertaking minor and major renovation projects in order to improve library facilities abilities to meet the changing needs of library users.

Project Name: **Imaging and Document Management**

Department: 620660
Project: 626xxxxxyy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 250 | 250 | 250 | - | 750 | 750 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 250 | 250 | 250 | | 750 | 750 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 250 | 250 | 250 | - | - | 750 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 250 | 250 | 250 | | | 750 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 8 |
| **SURPLUS/(DEFICIT)** | - | - | (8) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is to establish proper imaging and document management systems within the Community Services Department, which will allow the department to move to a paperless filing system that meets all City records management requirements. This will involve the filing and retention of both paper and electronic documents, including e-mail, court-related documents, etc. The department should expect administrative efficiencies in the area of reduced paper costs and reduced physical storage space costs.

These systems will be designed to complement any corporate initiative regarding imaging and document management.

The first phase of the project will involve a comprehensive review of current document retention policies and processes within the department, as well as the identification of solutions. The second phase of the project will involve the implementation of imaging and document management processes, including all necessary hardware (infrastructure) and software.

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

Department: 6206xx
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Public Safety, Health and Edcuation - High-Quality Library Service (4D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 500 | | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 500 | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 500 | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

By 2010, the majority of the library's current technological hardware/software systems will be outdated. Capital funding is required to supplement funding from the Library Technology Reserve Fund in order to begin a major upgrade and replacement of existing hardware platform and associated software upgrade requirements. Funding will be used also in part to purchase replacement public access computers, replace the hardware platform for the automated library system and upgrade associated library system (Horizon) software components.

Project Name: **Recreational Facility Safety & Accessibility Improvements**

Department: 620650
Project: 62500001yy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Public Safety, Health and Education - Promote Safety in Buildings (4B-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 400 | 600 | 300 | - | 400 | 1,700 | 1,900 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | 400 | 600 | 300 | | 400 | 1,700 | 1,900 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 400 | 600 | 300 | - | 400 | - | 1,900 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 200 | 400 | 600 | 300 | | 400 | | 1,900 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 6 | 32 | 77 |
| **SURPLUS/(DEFICIT)** | (6) | (32) | (77) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This capital project will: Address workplace and public safety, health and accessibility issues that are not part of the current service level agreement with Public Works.

Each year portions of the funds will be utilized for installation of security systems, fitness equipment replacement (safety purposes) and facility amenities and accessibility projects within 13 indoor pools and 9 major recreation centres based upon established priorities. The new demands require 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 is implemented to ensure safety and meet contemporary needs.

Recreation facility amenties must be refurbished to meet public health and safety standards and regulations 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).

2007 Funding : Replacement and addition of security systems that provide building perimeter entry security and visual surveillance of non-staffed areas at 2 facilities. Replace 15% of outdated and worn out fitness equipment at recreation facilities. Upgrade accessibility at 2 facilities.

2008 and 2009 Funding: Priorities would include development of family change rooms at selected recreation/aquatics facilities. Replacement and addition of security systems that provide building perimeter entry security and visual surveillance of non-staffed areas at 3 facilities each year. Replace 20% of outdated and worn out fitness equipment at recreation facilities each year. Upgrading of accessibility at 2 facilities in 2008 and 4 facilities in 2009.

2010 and 2012 Funding: Replacement and addition of security systems that provide building perimeter entry security and visual surveillance of non-staffed areas at 3 facilities each year. Replace 15% of outdated and worn out fitness equipment at recreation facilities each year. Upgrading of accessibility at 2 facilities in 2010 and 3 facilities in 2012.

Project Name: **Library Signage, Safety and Accessibility**

Department: 6206xx
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Public Safety, Health and Education - High Quality Library Services (4D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 200 | 200 | 200 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | | 200 | 200 | 200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 200 | - | 200 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | 200 | | 200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is needed to address the specific needs on the exterior of library facilities that is not possible within existing library operating budgets. Improved signage is required in order to make libraries more visible to the community and address bilingual signage requirements of the City of Winnipeg. Many libraries need improved lighting, security cameras, regular landscape maintenance and building upgrades to ensure that they remain safe and welcoming to the community and to deter vandalism and graffiti. In addition, funds are needed to address accessibility needs including exterior ramps, and interior washroom upgrades, wayfinding signage and life safety apparatus that are required to meet the needs of persons with disabilities.

Project Name: **Assiniboine Park Amenities Improvements/Development**

Department: 620630
Project: 62300001yy

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Environment, Image, and Amenities - Support Unique Attractions (5D-03)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,242 | - | 2,000 | 2,000 | 2,000 | 2,000 | 8,000 | 9,242 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,242 | | 2,000 | 2,000 | 2,000 | 2,000 | 8,000 | 9,242 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,242 | - | 2,000 | 2,000 | 2,000 | 2,000 | - | 9,242 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,242 | | 2,000 | 2,000 | 2,000 | 2,000 | | 9,242 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 34 | 118 | 183 |
| **SURPLUS/(DEFICIT)** | (34) | (118) | (183) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital dollars are being spent to improve deteriorating facilities, improve customer service areas such as walkways and washrooms, and improve animal enclosures particularly for seasonal animal encounter exhibits.

Specific enhancements for the Assiniboine Park are as follows:

Annual sewer and water line repair and replacement in zoo and park
Zoo building roof replacements; demolition of old exhibits; zoo facility maintenance
Zoo building and exhibit renovations for safety, aesthetics and zoo accreditation requirements
Fire, security, alarm upgrades to park buildings
Park pathway and road upgrades
Phased Implementation of Assiniboine Park Framework Plan
Improvements to Green Infrastructure - tree pruning and replacement, general field improvements and drainage, landscaping.
Assiniboine Forest parking lot and entranceway improvements

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

Project Name: **Renovations - 5th Floor Public Safety Building**

Department: 220656
Project: 2200000110

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Public Safety, Health, and Education - Promote Safety in Buildings (4B-02)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 500 | | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 500 | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 500 | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The current Police Service offices no longer service the needs of executive members and staff due to organizational changes that have taken place. Some offices are too small to be functional while other areas contain much wasted space. This project will address those concerns. Expected life is 20 years.

Project Name: **Automated Fingerprint Identification System (AFIS) - Palm Print Upgrade**

Department: 220656
Project: 2200000207

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Public Safety, Health, and Education - Expand Capacity to Address Safety (4A-03)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | - | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 250 | | | | | | - | 250 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | - | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 250 | | | | | | | 250 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is an enhancement to the existing AFIS which will enable efficient identification of suspects through latent palm prints lifted from crime scenes. Approximately 20% of latent impressions are palm prints. Match searches are now done manually. This process is time consuming and inefficient. Expected life span is 10 years.

Project Name: **Emergency Exit Overpass - 4th Floor Public Safety Building to Parkade**

Department: 220656
Project: 2200000409

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Public Safety, Health, and Education - Prepare For Disasters and Emergencies (4A-07)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 300 | - | - | - | 300 | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 300 | | | | 300 | 300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 300 | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 300 | | | | | 300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In an internal review of 911 services and Police disaster response, a concern with respect to evacuating Communications personnel from the Public Safety Building (PSB) was identified. Communications personnel cannot evacuate their workstations (located on the 4th floor, PSB) quickly in the event of a threat to the PSB or shut down of the primary communication system. It is proposed to provide a covered walkway from the 4th floor PSB to the Civic Centre Parkade to address this concern. The useful life of this project is expected to be in excess of 20 years.

Project Name: **Replace Voice 2-Way Radio System**

Department: 220656
Project: 2200000308

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Public Safety, Health, and Education - Provide Emergency Response Services (4A-06)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 7,083 | 1,815 | - | - | - | 8,898 | 8,898 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 7,083 | 1,815 | | | | 8,898 | 8,898 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 3,240 | 5,658 | - | - | - | - | 8,898 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 3,240 | 5,658 | | | | | 8,898 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes replacement of 2-way radio infrastructure and network as well as radios and related equipment. Useful life of existing equipment (circa 1998) will have expired. In addition the existing hardware technology will not be supported past 2009. Anticipated life span is 10 years.

Project Name: **Wireless Emergency 911 Upgrade**

Department: 220656
Project: 2200000608

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Public Safety, Health, and Education - Prepare For Disasters and Emergencies (4A-07)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 260 | - | - | - | - | 260 | 260 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 260 | | | | | 260 | 260 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 260 | - | - | - | - | - | 260 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 260 | | | | | | 260 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Currently 44% of emergency 911 calls are made by persons using cellular phones. This is projected to increase to 50% by 2009. Research indicates that 15% of the time a caller is unable to provide a location or the call is terminated before the operator can obtain information. When a caller is using a land line phone the Police Service can identify the location and number and effect an appropriate response, but is unable to identify the location should the caller be using a cellular phone. This project will enable the identification of the phone number and location of the caller reducing the time required to respond.

Also, by 2009 it is estimated that 33% of emergency 911 calls will come from Voice over Internet Protocol (VoIP) technology. By this time the current 911 phone system will not be able to effectively handle these calls, as the current system will have exceeded its useful life.

Project Name: **Automated Fingerprint Identification System Replacement**

Department: 220656
Project: 2200000711

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Public Safety, Health, and Education - Expand Capacity to Address Safety (4A-03)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | 600 | - | 1,100 | 1,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 500 | 600 | | 1,100 | 1,100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 500 | 600 | - | - | 1,100 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 500 | 600 | | | 1,100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The current Automated Fingerprint Identification System (AFIS) will reach its life expectancy by approximately 2008. The system hardware and software will become obsolete and subject to reduced and/or withdrawn maintenance support. The available maintenance will be more costly as the system ages. The replacement AFIS has many improvements to its technology since first purchased in 1999 including: faster speed, increased accuracy, greater data base capacity, and the ability to integrate with future Integrated Justice System. Estimated useful life is 10 years.

Project Name: **Police Priority Dispatch System**

Department: 220656
Project: 2200000810

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Public Safety, Health, and Education - Provide Emergency Response Services (4A-06)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 427 | - | - | 427 | 427 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 427 | | | 427 | 427 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 427 | - | - | - | 427 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 427 | | | | 427 |

| NET OPERATING IMPACT | 2006 | 2007 | 2008 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Police Priority Dispatch System (PPDS) software is a set of protocols designed to standardize and codify the operation of law enforcement dispatch. It is designed to provide safe, effective and efficient police operations through scene assessment, officer safety issues, and the identification of appropriate police response. The PPDS also includes a quality assurance software package. The PPDS is recognized by the National Academies of Emergency Dispatch, which is the world's recognized standard setting and certification body for emergency dispatch. This project addresses 5 of 35 recommendations reported in the June 2002 City of Winnipeg Audit Department's indepth review of the Winnipeg Police Service Communication Centre. The expected useful life of this project is 25 years.

Project Name: **Outdoor Shooting Range**

Department: 630631
Project: 633100xx10

Capital Priority Rating: 3 - 3+2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 700 | - | - | - | - | 700 | 700 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 700 | | | | | 700 | 700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 700 | - | - | - | - | - | 700 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 700 | | | | | | 700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | 21 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 67 |
| **SURPLUS/(DEFICIT)** | - | 21 | (67) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Winnipeg Police Service (WPS) has an outdoor shooting range located on Cadboro Road. This range is an essential part of the WPS training program. It is used to train WPS recruits as well as to re-qualify its existing members. Council approved the development of Waverley West. The shooting range is located within the Waverley West area and will have to be relocated.

Project Name: **Central Processing Unit**

Department: 630631
Project: 633100xx10

Capital Priority Rating: 3 - 3+2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 3,400 | - | - | 3,400 | 3,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 3,400 | | | 3,400 | 3,400 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 3,400 | - | - | - | 3,400 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 3,400 | | | | 3,400 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Winnipeg Police Service (WPS) has created a pilot project, the arrest processing unit (APU), that is used to streamline the criminal arrest process and save time of frontline officers. The system allows the officers to turn over the prisoners to the APU for processing, then "return to the streets". The existing APU in the Public Safety Building can handle a limited number of prisoners, and as such it is creating a bottleneck in the system. The creation of a Central Processing Unit will reduce wait time and increase efficiency in cruiser car deployment.

Project Name: **Identification Unit - Forensic Services**

Department: 220656
Project: 22XXXXXXYY

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Public Safety, Health, and Education - Provide Emergency Response Services (4A-06)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | 1,800 | - | - | - | 5,200 | 7,000 | 7,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 1,800 | | | | 5,200 | 7,000 | 7,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,800 | - | - | - | 5,200 | - | 7,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,800 | | | | 5,200 | | 7,000 |

| NET OPERATING IMPACT | 2006 | 2007 | 2008 |
|---|---|---|---|
| Revenue increase/(decrease) | | 302 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | 302 | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Winnipeg Police Service (WPS) Identification Lab (formally known as Forensic Services) is presently housed in the Public Safety Building (PSB). This unit is one of the most critical parts of WPS operation. In this unit, trained technicians examine evidence and establish case work. Police Officers and the Justice System rely on the Identification Unit for accurate and defendable information.

The existing facility needs to be updated for emerging health and safety requirements and standards for preserving the integrity of evidence, as well, current facilities cannot meet the present volume of evidentiary exhibits.

WPS has had dialogue with other law enforcement agencies who face similar challenges and there is a possibility for future partnership to develop an overall project estimated to be approximately $10 million.

Project Name: **Four District Model Building Replacement**

Department: 630631
Project: 633100xx10

Capital Priority Rating: 3 - 3+2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 8,975 | 20,405 | - | - | - | - | - | - | 20,405 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 3,500 | | | | | | - | 3,500 |
| Public Private Partnership | | 16,905 | | | | | | - | 16,905 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,500 | - | 992 | 1,985 | 1,985 | 1,985 | 32,750 | 43,197 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 3,500 | | 992 | 1,985 | 1,985 | 1,985 | 32,750 | 43,197 |

The 2007 to 2011 Five-Year Capital Budget Forecast approved by Council February, 2006 directed the Civic Administration to investigate private-public partnerships for the "Four District Model Building Replacement". Thus the overall capital budget requirement will depend on whether a suitable public-private partnership can be arranged.

It is estimated that $3,500,000 of 2007 Capital funding will be required to procure the two stations and purchase the necessary furniture and special equipment required at the Police Stations (and potentially property).

The above annual cash flow estimates beginning in 2009 are lease payments and include technical maintenance, but not utility and other operating maintenance expenses.

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

Department: 210657
Project: 21000011yy

Capital Priority Rating: 3-3
Plan Winnipeg Indicator: Public Safety, Health and Education - Provide Emergency Response Services (4A-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 1,600 | - | 2,600 | - | 840 | 5,040 | 5,040 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 1,600 | | 2,600 | | 840 | 5,040 | 5,040 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | 1,200 | 500 | 2,100 | 400 | 440 | 5,040 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 400 | 1,200 | 500 | 2,100 | 400 | 440 | 5,040 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 20 | 100 |
| **SURPLUS/(DEFICIT)** | - | (20) | (100) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project represents a consolidation of all projects related to station relocations, factilities improvements and replacements. Winnipeg Fire Paramedic Service (WFPS) is working on the replacement of Station #21 (Pandora Avenue West) from previously approved capital funding. As well phase 1 of the replacement of Station #4 (Stradbrook and Osborne) has been approved in 2006.

| Funds will be allocated to: | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Total |
|---|---|---|---|---|---|---|---|
| Station #4 (Stradbrook and Osborne) Replacement: | | | | | | | |
| Phase 2 - construction | | 1,600 | | | | | 1,600 |
| Phase 3 - construction | | | | 1,600 | | | 1,600 |
| Pump and Aerial Test Facility | | | | 300 | | | 300 |
| Station # 12 (Grosvenor) Replacement: | | | | | | | |
| Phase 1 - design and construction | | | | 700 | | | 700 |
| Phase 2 - construction | | | | | | 840 | 840 |
| | - | 1,600 | - | 2,600 | - | 840 | 5,040 |

Project Name: **Computer Automation**

Department: 630651
Project: 6361000406

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 300 | 185 | 165 | 200 | 200 | 200 | 950 | 1,250 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 300 | 185 | 165 | 200 | 200 | 200 | 950 | 1,250 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 185 | 165 | 200 | 200 | 200 | - | 1,250 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 300 | 185 | 165 | 200 | 200 | 200 | | 1,250 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 9 | 6 | 5 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 29 | 46 |
| **SURPLUS/(DEFICIT)** | 9 | (23) | (41) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an on going office automation program started in the 1994 Capital program. The emphasis has been on general office automation and network installation, workflow and re-engineering technologies, electronic file and records management and image based systems. Successes to date have concentrated on distribution of vital information through Local and Wide Area Networks and Image and Workflow system installation. New solutions will flow from the adoption of these technologies and will allow the department to provide convenient, efficient and cost effective service.

A general program of system renewal is contemplated. This program would be the start of an overhaul of the technology, systems, programs, and processes implemented in the early 1990's. This is seen as reasonable and prudent to ensure the continued longevity of the City's investment in office automation.

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

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

Department: 630621
Project: 6321xxxxyy

Capital Priority Rating: 3 - 2+2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 (Equity in Capital Assets Fund) | | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 | 3,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 500 | 500 | 500 | | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 500 | 500 | 500 | 500 | 500 | 500 | | 3,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 15 | 15 | 15 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 48 | 95 |
| **SURPLUS/(DEFICIT)** | 15 | (33) | (80) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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: **Weather Protected Pedestrian System**

Department: 630651
Project: 6351000106

Capital Priority Rating: 1 - 3
Plan Winnipeg Indicator: Downtown and Neighbourhoods - Encourage Accessibility To and Within the Downtown (1A-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,760 | 115 | - | - | - | - | - | - | 115 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 115 | | | | | | - | 115 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 115 | - | - | - | - | - | - | 115 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 115 | | | | | | | 115 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 3 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 11 | 11 |
| **SURPLUS/(DEFICIT)** | 3 | (11) | (11) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

City share of capital costs of new connections to complete the right-of-way system designated by Council resolution (May, 2004) from Cityplace south and west (to The Bay). Specific costs and dates of expenditures are established through the negotiation of agreements approved by Council.

***Council Decision:***

That the Executive Summary of the Weather Protected Walkway System (WPWS) Study was received by council as information and the following key recommendations were approved.

1. That the first priority be given to "closing the loop" to complete the Downtown Walkway System (i.e., from Cityplace south and west to The Bay).
2. That access to and accessibility within the Downtown Walkway System be supported through the development of a series of gateways, signage and wayfinding, transportation links, and physical connections.
3. That any proposed elevated or underground connections along Main Street be deleted from the current designated walkway system and that the designated City WPWS be amended accordingly.
4. That the Planning, Property and Development Department be charged with the coordination of a management structure for the WPWS.

Project Name: **Riverbank Greenway Programs (formerly Pathways)**

Department: 630651
Project: 6351300107

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Environment, Image, and Amenities - Promote the Use of Rivers and Riverbanks (5C-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 358 | 235 | 465 | 200 | 150 | 150 | 240 | 1,205 | 1,440 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 235 | 465 | 200 | 150 | 150 | 240 | 1,205 | 1,440 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 235 | 415 | 50 | 300 | 150 | 290 | - | 1,440 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 235 | 415 | 50 | 300 | 150 | 290 | | 1,440 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 7 | 12 | 1 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 22 | 62 |
| **SURPLUS/(DEFICIT)** | 7 | (10) | (61) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project 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, Churchill Drive, Kildonan, St. Boniface, Fort Rouge and Assiniboine, in no particular order.

Project Name: **Land Acquisition - Riverbank**

Department: 630651
Project: 6351600107

Capital Priority Rating: 1 - 2+2
Plan Winnipeg Indicator: Environment, Image, and Amenities - Maintain and Expand the System of Public Parks (5C-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 300 | - | 300 | - | - | 100 | 400 | 700 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 300 | | 300 | | | 100 | 400 | 700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | - | 300 | - | 100 | - | 700 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 300 | | 300 | | 100 | | 700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | 9 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 29 |
| **SURPLUS/(DEFICIT)** | - | 9 | (29) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is required for the acquisition of riverbank lands for the City's linear parkway system, which is designed to promote the use of Winnipeg's rivers and riverbanks by facilitating public access to these areas for the purposes of transportation and recreation through the provision of a variety of accessibility improvements. The current top six priority parkways include North Winnipeg, Churchill Drive, Kildonan, St. Boniface, Fort Rouge and Assiniboine, in no particular order.

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

Project Name: **Cemeteries - Improvements**

Department: 630632
Project: 6322100106
Capital Priority Rating: 1 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 816 | 200 | 250 | - | - | - | - | 250 | 450 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | 250 | | | | | 250 | 450 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 250 | - | - | - | - | - | 450 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 200 | 250 | | | | | | 450 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 6 | 7 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 19 | 43 |
| **SURPLUS/(DEFICIT)** | 6 | (12) | (43) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Miscellaneous improvements to Brookside and St. Vital Cemeteries including roadway, resurfacing, drainage improvements, tree planting.

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

Department: 630651
Project: 6352100206

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Support Waterways Management (5C-03)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 6,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 6,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | - | 6,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | 6,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 29 | 29 | 29 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 95 | 190 |
| **SURPLUS/(DEFICIT)** | 29 | (66) | (161) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Pembina Highway and Grandmont Boulevard Riverbank Stabilization project has “First Call” against 2007 Capital Budget as per Council meeting on December 6, 2006 (minute 78). The first $1 million will be accessed from this Planning, Property and Development project, with the remaining $500,000 to be under the Public Works department.

The riverbank stability characterization study identifies 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, priorities are established in the report for purposes of the City implementing stabilization along the most critical sections of riverbank. The highest priority site, Annabella Street to May Street was completed in the winter of 2002 - 2003 at a cost of $1 million. The remaining "first phase" priority sites are identified as follows at an estimated cost of $10.71 million.

| Site | | Amount |
|---|---|---|
| Red River - St. Vital Park | $ | 1,645,000 |
| Red River - Lyndale Drive Park | | 1,455,000 |
| Red River - King's Park | | 450,000 |
| Red River - Churchill Park | | 2,000,000 |
| Red River at Bunn's Creek | | 165,000 |
| Assiniboine River - Fort Rouge Park | | 400,000 |
| Red River - Crescent Park | | 765,000 |
| Red River - King's Park 2 | | 2,720,000 |
| Seine River - Evans Avenue at Cusson Street | | 240,000 |
| Assiniboine River - Granite Curling Club/Mostyn Park | | 870,000 |
| TOTAL | $ | 10,710,000 |

Project Name: **Downtown Enhancement Program**

Department: 630651
Project: 6351800106

Capital Priority Rating: 2 - 3
Plan Winnipeg Indicator: Downtown and Neighbourhoods - Celebrate the Downtown's Special Features and Heritage (1A-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,600 | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,400 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 400 | 400 | 400 | 400 | 400 | - | 2,400 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 400 | 400 | 400 | 400 | 400 | 400 | | 2,400 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 12 | 12 | 12 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 38 | 76 |
| **SURPLUS/(DEFICIT)** | 12 | (26) | (64) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program's provision of aesthetic improvements and required infrastructure upgrades to the Downtown and Exchange District will be the vehicle to enhance pedestrian environments and fulfill the commitment to "Downtown First" philosophy. The program will support and develop ongoing partnership opportunities for future development and redevelopment and projects such as: Old Market Square; Portage and Main; Broadway; Downtown Wayfinding; Hydro Tower; Millenium Library Park; etc.

The City has also recently adopted a Universal Design Policy that commits the City of Winnipeg to an enhanced pedestrian environment. Funding will also be used to support the National Historic Site Designation of the Exchange District.

The funds will be utilized to initiate, partner and implement streetscape and open space enhancements to promote and strengthen the pedestrian environment. These aesthetic improvements are over and above and exclusive of work assumed by the Public Works Department, including curb replacement, street and sidewalk paving and required maintenance of existing infrastructure.

Priorities for 2007 to 2012 are Portage Avenue Vision Context Strategy, Portage & Main, Millennium Library Park, Walkway - linkages, Park and Streetscape Redevelopment (Hydro precinct) and Old Market Square.

Project Name: **Image Route Enhancements / Streetscaping**

Department: 630651
Project: 63xxxxxxyy

Capital Priority Rating: 2 - 3
Plan Winnipeg Indicator: Environment, Image, and Amenities - Promote High-Quality Urban Design and Designate and Enhance Image Routes and Scenic Drives (5E-01 & 5E-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 (Equity in Capital Assets Fund) | | 400 | 400 | 400 | 400 | 400 | 400 | 2,000 | 2,400 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 400 | 400 | 400 | 400 | 400 | - | 2,400 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 400 | 400 | 400 | 400 | 400 | 400 | | 2,400 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 12 | 12 | 12 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 38 | 76 |
| **SURPLUS/(DEFICIT)** | 12 | (26) | (64) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Work focuses on the designated 6 image routes, 14 neighbourhood main streets, and 4 scenic drives.

Funds will be utilized to initiate, partner and implement streetscape and open space enhancements, to promote and enhance the City of Winnipeg's image. These streetscape landscaping and aesthetic enhancements are exclusive of work assumed by the Public Works Department that includes curb, street and sidewalk repairs and replacement.

This enhancement program will continue in partnership with the private sector to take the form of decorative medians, pedestrian lighting, banner poles; special entry nodes; special pavement treatments; character signage; and site furniture including benches, waste receptacles, planters, trees, tree grates, information kiosks, etc. The "Airport to Downtown" is considered the top priority image route. The other routes/phases that are also considered important when funding becomes available are the Business Improvement Zones - Phase 1, Image Route Enhancement - Phase 2, Business Improvement Zones - Phase 2, and scenic drives such as Wellington Crescent and Scotia Street.

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

Project Name: **Expand Property Management and Integrate with Public Works Work Management System**

Department: 630661
Project: 6361000109

Capital Priority Rating: 3 - 3+1
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | 100 | - | - | - | 100 | 100 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 100 | | | | 100 | 100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 100 | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 100 | | | | | 100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | 3 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | 3 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The information and data processing needs of the Civic Accommodations Division require enhancement and the ability to integrate the existing property management systems with the Public Works work management system. The City's building assets are recorded, maintained and updated by the Civic Accommodation Division. The department has an existing graphical, architectural based system which provide building specific information on space measurement and utilization.

As well, the department has standardized on a purchased property management system which records and reports all aspects of property management including approved (commercial and residential) and vacant properties owned by and leased from the City. The Public Works Department provides a means of tracking inputs, outputs and relative costs associated with the maintenance of buildings and assets.

This budget will provide the requisite linkages to reduce duplication of data entry and provide a mechanism for sharing information between departments. The integration of property management with the Amanda software for workflow and process management will also be examined. The use of the Amanda software for project tracking and facilities management will be implemented.

Project Name: **Riverbank Access Park and Dock Network**

Department: 630651
Project: 6351700109

Capital Priority Rating: 1 - 2
Plan Winnipeg Indicator: Environment, Image, and Amenities - Promote the Use of Rivers and Riverbanks (5C-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 700 | - | - | 300 | - | - | - | 300 | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 300 | | | | 300 | 300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 300 | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 300 | | | | | 300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | 9 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | 9 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The goal is the strengthening of the economies of the City's central business districts and enhancing the livability of the surrounding neighbourhoods. The scope of this project calls for the design and development of celebratory, signature, year-round riverbank access points for each of the central riverbank communities.

Funds will be utilized to implement the balance of the network of docks and open space enhancements associated with the Coalition AccËs RiviËre - River Access Coalition (CARRAC) dock system. These developments have taken the form of riverbank stabilization; stationary and floating docks; decorative pedestrian level lighting; concrete, brick and timber pavement; tree planting and landscaping.

The system provides permanent boat docks for both water and land based recreation for the public and other features which celebrate and enhance access to the neighbourhoods.

Additional locations will be developed to enhance the CARRAC Dock network as funding is available. Priorities are Phase-2 Osborne, Spence Street; Whittier/Festival Park, Phase-1 South St. Vital; and Wolseley Location, Phase-2-South St. Vital.

Project Name: **Public Art Strategy**

Department: 630651
Project: 6351400705

Capital Priority Rating: 1 - 1
Plan Winnipeg Indicator: Creating a Beautiful City - Implement Public Art Strategy (5E-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 | 3,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 500 | 500 | 500 | 500 | 500 | 500 | 2,500 | 3,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 500 | 500 | 500 | 500 | - | 3,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 500 | 500 | 500 | 500 | 500 | 500 | | 3,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 15 | 15 | 15 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 48 | 95 |
| **SURPLUS/(DEFICIT)** | 15 | (33) | (80) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

Initial funding for the project in the amount of $500,000 was approved by Council in the 2003 Capital Budget.

Project Name: **Marconi Future Walking / Biking Path**

Department: 632110
Project: 6321100107

Capital Priority Rating: 3 - 2+2
Plan Winnipeg Indicator: Integrating Transportation - Provide Integrated Transportation Network (3C-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 1,200 | - | - | - | - | - | - | 1,200 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,200 | | | | | | - | 1,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | - | - | - | - | - | | 1,200 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,200 | | | | | | | 1,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 35 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 114 | 114 |
| **SURPLUS/(DEFICIT)** | 35 | (114) | (114) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On September 27, 2006, Council approved the recommendation that the City acquire the CPR Marconi rail right-of-way for future transportation purposes. Council also directed that the expenditure of $1.2 million, prior to the adoption of the 2007 Capital Budget, be approved as a first charge against the 2007 Tax Supported Capital Budget in order to ensure adequate available funds for the acquisition.

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

Project Name: **Downtown Wayfinding - Mapping, Kiosks, Weather Protected**

Department: 630651
Project: 6352100106

Capital Priority Rating: 2 - 3
Plan Winnipeg Indicator: Downtown and Neighbourhoods - Encourage Accessibility To and Within the Downtown (1A-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Winsmart - Urban Transportation Showcase | | 200 | | | | | | - | 200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Winsmart - Urban Transportation Showcase | 200 | | | | | | | 200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 6 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 19 | 19 |
| **SURPLUS/(DEFICIT)** | 6 | (19) | (19) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A Downtown Wayfinding System has been identified as a mechanism to provide directional signage for orientating pedestrians, motorists and visitors destined for specific attractions in Downtown Winnipeg. The intent is to orientate people so they may reach their destinations without undue delay or confusion.

The funds will be utilized to initiate, partner and implement a Downtown Wayfinding System to ensure and promote a safer, more accessible, understandable and integrated pedestrian environment. The Planning, Property and Development Department historically has provided support for pedestrian orientated streetscaping initiatives in the Downtown and Exchange District. Centre Plan has endorsed the development of a comprehensive downtown signage program. The wayfinding system is over and above and exclusive of the vehicular orientated work performed by the Public Works and Transit Departments.

The funding for the Downtown Wayfinding System will provide the resources to support the City's commitment to providing coordinated signage system within the Downtown.

Project Name: **Building Communities**

Department: 630651
Project: 6351200004

Capital Priority Rating: 2-4
Plan Winnipeg Indicator: Downtown and Nieghbourhoods - Support Neighbourhood Revitilization (1B-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | * 5,600 | 400 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 10,000 | 10,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 5,200 |
| Manitoba Winnipeg Infrastructure Program (MWIP) | | 200 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 5,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | | 10,400 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 200 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | 5,200 |
| Manitoba Winnipeg Infrastructure Program (MWIP) | 200 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | | 5,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 12 | 58 | 58 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 38 | 228 |
| **SURPLUS/(DEFICIT)** | 12 | 20 | (170) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 'Building Communities' Initiative is a capital expenditure program that invests in the public infrastructure in Winnipeg's neighbourhoods. The program's goals are to improve living conditions in Winnipeg's older neighbourhoods, where capital improvements in housing renewal, community facilities, municipal infrastructure and crime prevention initiatives will have lasting, long-term benefits to the neighbourhood and the larger urban community. This program will be cost-shared on a 50-50 basis with Manitoba Intergovernmental Affairs.

The current 'Building Communities' Initiative is currently in year four of five and will be completed at the end of 2007. The City and Province have jointly funded capital investment programs in older, physically declining neighbourhoods since 1974.

* Includes $650,000 approved in the 2006 capital budget under 'Special Innovative Capital.'

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

Department: 630631
Project: 63310000206

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 500 | 500 | - | 500 | 500 | 500 | 2,000 | 2,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 500 | 500 | | 500 | 500 | 500 | 2,000 | 2,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | - | 500 | 500 | 500 | - | 2,500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 500 | 500 | | 500 | 500 | 500 | | 2,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 15 | 15 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 48 | 95 |
| **SURPLUS/(DEFICIT)** | 15 | (33) | (95) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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: **Civic Buildings - Barrier Free Access**

Department: 630631
Project: 6331000611

Capital Priority Rating: 3 - 2+2
Plan Winnipeg Indicator: Public Safety, Health, and Education - Integrate Safety into Overall Planning and Urban Development (4B-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | - | - | 300 | 300 | 600 | 600 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | 300 | 300 | 600 | 600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 300 | 300 | - | 600 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 300 | 300 | | 600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

To improve accessibility for disabled persons to existing City-owned buildings and in so doing meet the legislated standards with respect to barrier free access. Legally required: Building Code requirements.

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

Project Name: **Removal of Asbestos**

Department: 630631
Project: 6331000306

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Public Safety, Health, and Education - Promote Safety in Buildings (4B-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 100 | - | 100 | 300 | 100 | 124 | 624 | 724 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 100 | | 100 | 300 | 100 | 124 | 624 | 724 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | 100 | 300 | 100 | 124 | - | 724 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 100 | | 100 | 300 | 100 | 124 | | 724 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 3 | | 3 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 10 | 10 |
| **SURPLUS/(DEFICIT)** | 3 | (10) | (7) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A regulatory requirement during renovations is the removal of hazardous material from existing facilities. An inventory of asbestos within City buildings has been completed. Work is performed when other building renovations are planned or when some other physical disturbance of asbestos covered building components occurs. This money may also be used to remove mould and other hazardous materials during building renovations, which often is identified at the same time as the asbestos.

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

Project Name: **Campus Area Security Upgrades**

Department: 630631
Project: 633100xx08

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Public Safety, Health, and Education - Integrate Safety into Overall Planning and Urban Development (4B-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 300 | | | | | | - | 300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 300 | | | | | | | 300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 9 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 29 | 29 |
| **SURPLUS/(DEFICIT)** | 9 | (29) | (29) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Security has been noted as an ongoing concern within the Civic Campus area. Enhanced Security in the Civic Campus area will reduce legal liability and help attract the public to the downtown area. Possible upgrades may include exterior lighting, security improvements and video surveillance.

Project Name: **Roof Replacement**

Department: 630631
Project: 633100xx07

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 250 | 500 | 500 | 800 | 200 | 200 | 2,200 | 2,450 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 250 | 500 | 500 | 800 | 200 | 200 | 2,200 | 2,450 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 500 | 500 | 800 | 200 | 200 | - | 2,450 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 250 | 500 | 500 | 800 | 200 | 200 | | 2,450 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 7 | 15 | 15 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 24 | 71 |
| **SURPLUS/(DEFICIT)** | 7 | (9) | (56) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The roofs on many of the buildings in the Civic Accommodations portfolio are nearing or beyond the end of their useful life. Ongoing maintenance costs for these roofs are continuing to rise. Operating budgets do not provide adequate funding for the replacement of roofs. Replacement of roofs will also provide an opportunity to upgrade roof insulation, which will result in energy savings.

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

Project Name: **Fire Safety Upgrading - Various Locations**

Department: 630631
Project: 6331000406

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Public Safety, Health, and Education - Integrate Safety into Overall Planning and Urban Development (4B-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | - | 200 | 500 | 200 | 200 | 1,100 | 1,300 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | | 200 | 500 | 200 | 200 | 1,100 | 1,300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | 200 | 500 | 200 | 200 | - | 1,300 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 200 | | 200 | 500 | 200 | 200 | | 1,300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 6 | | 6 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 19 | 19 |
| **SURPLUS/(DEFICIT)** | 6 | (19) | (13) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Renovations within existing buildings are becoming more expensive as the existing buildings do not meet the fire protective design requirements of current building codes. The present fire safety controls in buildings are aging and require replacement or upgrading to current standards. Legally required/essential: code and life safety requirements.

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

Project Name: **Public Safety Building - Exterior Cladding**

Department: 630631
Project: 6331000506

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,178 | 6,722 | 3,033 | 5,367 | - | - | - | 8,400 | 15,122 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 6,722 | 3,033 | 5,367 | | | | 8,400 | 15,122 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,722 | 3,033 | 5,367 | - | - | - | - | 15,122 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 6,722 | 3,033 | 5,367 | | | | | 15,122 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 196 | 88 | 156 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 639 | 927 |
| **SURPLUS/(DEFICIT)** | 196 | (551) | (771) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Existing limestone cladding is deteriorating to the extent that a major structural repair is required.

A Consultant was hired in 2003 to investigate the removal and re-design the exterior cladding for the Public Safety Building (PSB). Relocation of most of the PSB tenants is required as part of the construction project. Almost a third of the staff will have to be moved from the building. This project is linked with the construction of other permanent Winnipeg Police Service facilities. On September 28, 2005, Council approved that available funding from prior year adopted capital budgets approved for Public Safety Building (PSB) Cladding Replacement be used to fund the increased cost for the Winnipeg Police Department's first Four District Model district station. Construction of the first district station facilitates the relocation (decanting) of PSB occupants during PSB Cladding Replacement.

Project Name: **Cooling Plant Refurbishing**

Department: 630631
Project: 633100xx07

Capital Priority Rating: 3 - 4+2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,150 | 150 | - | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 150 | | | | | | - | 150 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | - | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 150 | | | | | | | 150 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 4 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 14 | 14 |
| **SURPLUS/(DEFICIT)** | 4 | (14) | (14) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Ongoing requirement for the refurbishing of existing cooling plants to meet regulations for the elimination of ozone depleting substances. Legislation requires that hazardous materials (CFC refrigerant) be eliminated.

Project Name: **Energy Conservation**

Department: 630631
Project: 6331000606

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Environment, Image, and Amenities - Encourage Energy Efficiency (5A-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 200 | 200 | - | 300 | - | 200 | 700 | 900 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | 200 | | 300 | | 200 | 700 | 900 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | - | 300 | - | 200 | - | 900 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 200 | 200 | | 300 | | 200 | | 900 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 6 | 6 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 19 | 38 |
| **SURPLUS/(DEFICIT)** | 6 | (13) | (38) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is part of a continuing initiative to reduce energy consumption.

Essential: optimizes operational savings.

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

Project Name: **Civic Centre Car Park Tunnel**

Department: 630631
Project: 633100xx07

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Public Safety, Health, and Education - Integrate Safety into Overall Planning and Urban Development (4B-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | 200 | 200 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 200 | | | | | 200 | 200 | 400 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | 200 | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 200 | | | | | 200 | | 400 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 6 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 19 | 19 |
| **SURPLUS/(DEFICIT)** | 6 | (19) | (19) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Structural repairs, waterproofing and restoration to the underground tunnel between the Car Park and the Civic Centre are required. The estimate contained for 2012 provides for the associated engineering costs only.

Essential: Structural Repairs.

Project Name: **Tenant Improvement Prepayment - Major Department**

Department: 630631
Project: 6331002306

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | - | - | - | 500 | 500 | 500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | | 500 | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 500 | - | 500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | 500 | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 Building Stabilization**

Department: 630631
Project: 6331000706

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Environment, Image, and Amenities - Promote the Adaptive Reuse of Heritage Buildings (5B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 250 | 200 | 500 | 400 | - | 200 | 1,300 | 1,550 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 250 | 200 | 500 | 400 | | 200 | 1,300 | 1,550 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 200 | 500 | 400 | - | 200 | - | 1,550 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 250 | 200 | 500 | 400 | | 200 | | 1,550 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 7 | 6 | 15 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 24 | 43 |
| **SURPLUS/(DEFICIT)** | 7 | (18) | (28) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

Essential: Structural repairs.

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

Project Name: **Major Building Heating, Ventilation and Air Conditioning (HVAC) Upgrades**

Department: 630631
Project: 6331000806

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 300 | 400 | - | 900 | - | 200 | 1,500 | 1,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 300 | 400 | | 900 | | 200 | 1,500 | 1,800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 400 | - | 900 | - | 200 | - | 1,800 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 300 | 400 | | 900 | | 200 | | 1,800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 9 | 12 | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 29 | 67 |
| **SURPLUS/(DEFICIT)** | 9 | (17) | (67) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The HVAC systems in many of the buildings in the Civic Accommodations' portfolio are believed to be nearing the end of their useful life or are not operating to regulatory requirements for indoor air quality. Upgrading of the HVAC systems is expected to result in significant energy savings.

Project Name: **Building Envelope - Evaluation and Emergency Repair**

Department: 630631
Project: 633100xx07

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,000 | - | 500 | 1,000 | - | 200 | 1,700 | 2,700 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,000 | | 500 | 1,000 | | 200 | 1,700 | 2,700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | 500 | 1,000 | - | 200 | - | 2,700 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,000 | | 500 | 1,000 | | 200 | | 2,700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 29 | | 15 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 95 | 95 |
| **SURPLUS/(DEFICIT)** | 29 | (95) | (80) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Building envelope concerns have been identified in a number of city-owned buildings. There is a requirement to establish the condition of the building envelopes for all buildings within the Civic Accommodations portfolio. The project will include a study to establish budgets for future building envelope retrofits, and the repairs for priorities identified in the study.

Project Name: **Elevator and Escalator Repair**

Department: 630631
Project: 633100xx10

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 800 | 400 | 200 | 1,400 | 1,400 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | 800 | 400 | 200 | 1,400 | 1,400 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 800 | 400 | 200 | - | 1,400 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 800 | 400 | 200 | | 1,400 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The elevators and escalators in many of the buildings in the Civic Accommodations portfolio are nearing or beyond the end of their useful life. Replacement of the old elevators and escalators will provide more universally accessible buildings, and the upgraded systems will result in energy savings.

Project Name: **Public Works / Water & Waste Departments Facilities Consolidation**

Department: 630631
Project: 6331000504

Capital Priority Rating: 3 - 4+2
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 17,205 | 2,737 | - | - | - | - | - | - | 2,737 |
| Financed by: | | | | | | | | | |
| Land Operating Reserve Fund | | 2,737 | | | | | | - | 2,737 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,737 | - | - | - | - | - | - | 2,737 |
| Financed by: | | | | | | | | |
| Land Operating Reserve Fund | 2,737 | | | | | | | 2,737 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 80 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 260 | 260 |
| **SURPLUS/(DEFICIT)** | 80 | (260) | (260) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The need to relocate the Central Works Yard and the adoption by Council in 1998 of the Strategic Facilities Master Plan led to the development of the 1999 Public Works/Water & Waste Facilities Master Plan.

On March 21, 2001 Council authorized the Planning, Property and Development Department to proceed with the Public Works/Water & Waste Facilities Master Plan.

These funds are to be used to consolidate staff to fewer locations. The Public Works and Water & Waste Departments' administrative staff are to be consolidated on Pacific Avenue and a new East Yards Complex is to be constructed to consolidate seven different existing Public Works Yards locations.

Funds in 2007 & 2008 are required for the construction of the East Yard Complex. As directed by Council, the source of these funds is the net proceeds of disposition of those properties rendered surplus as a result of the consolidation.

Essential/fundamental to productivity gain: improved operations for occupants.

Project Name: **Office Automation**

Department: 040664
Project: 0400000709

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Government and the Economy - Meet High Standards of Service Delivery (2B-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | 200 | - | 200 | - | 400 | 400 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 200 | | 200 | | 400 | 400 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 200 | - | 200 | - | - | 400 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 200 | | 200 | | | 400 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | 6 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 7 |
| **SURPLUS/(DEFICIT)** | - | - | (1) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The replacement of existing equipment used to deliver all public services performed by the Department. This includes upgrades and enhancements to the software and hardware used by the City Clerk's Department, Mayor's Office and Council and equipment used during meetings of Council and Standing Committees as part of the E-Government Initiative.

This project will also fund equipment to be used by the public in the Council Building and Archives. This project ensures that equipment is available and meets standards for public access set by the Access Committee.

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

Project Name: **Corporate Records Centre**

Department: 040664
Project: 0400000912

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 575 | - | - | - | - | - | 200 | 200 | 200 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | | 200 | 200 | 200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 200 | - | 200 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | | | 200 | | 200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 specifc period of time.

In order to provide a more centralized and more cost effective records management storage services, the City Clerk's Department will renovate a portion of a city owned warehouse at 311 Ross Avenue to accommodate records storage. The area will remain a warehouse but requires some repairs to floors and walls, upgraded lighting and security, and installation of shelving. It is expected that the area will be ready to accept records from departments by January of 2007.

Ongoing upgrades are expected at the 5 year mark to meet anticipated demand for corporate records.

Project Name: **Election Systems**

Department: 040664
Project: 0400000509

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | - | 150 | 150 | - | - | 300 | 300 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 150 | 150 | | | 300 | 300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 150 | 150 | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 150 | 150 | | | | 300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | 5 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 5 |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 from Corporate Information Technology Department. The City Clerk's Department will, for the 2010 Election, ensure systems are 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 voter's list partners Elections Canada and Elections Manitoba.

Systems to be upgraded / revitalized for the 2010 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.

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

Project Name: **Voting Machine Replacement**

Department: 040664
Project: 040000xx09

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | 1,500 | 250 | - | - | 1,750 | 1,750 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 1,500 | 250 | | | 1,750 | 1,750 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,500 | 250 | - | - | - | 1,750 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 1,500 | 250 | | | | 1,750 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | 45 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | 49 |
| **SURPLUS/(DEFICIT)** | - | - | (4) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Clerk's Automated Voting Machine system was purchased in 1995 and was used through the 2006 General Municipal Election. While the current system is still functional, obtaining replacement equipment and parts, as well as support is becoming more and more difficult, as technology evolves and the company that manufactures the system moves towards newer technology.

Use of the system to meet the demands of the public and candidates in terms of reporting and other facets is also becoming increasingly difficult as the system ages and becomes more difficult to hook into City of Winnipeg networks / systems as they change.

Access concerns for the physically challenged and the public's desire for new voting technologies must also be addressed. A new voting system using up to date digital technology will be required for the 2010 General Municipal Event.

This will require extensive research and a Request For Proposal process started in late 2008, early 2009, with purchase of the new system to occur in late 2009 or 2010, leaving 10 months of setup time for the 2010 event.

Project Name: **Communications Network Infrastructure**

Department: 650667
Project: 6501000007

Capital Priority Rating: 2-4
Plan Winnipeg Indicator: Government and the Economy - Support Provision of Information Technology Infrastructure (2C-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 649 | 648 | 648 | 633 | 638 | 643 | 3,210 | 3,859 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 649 | 648 | 648 | 633 | 638 | 643 | 3,210 | 3,859 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 649 | 648 | 648 | 633 | 638 | 643 | - | 3,859 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 649 | 648 | 648 | 633 | 638 | 643 | | 3,859 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 18 | 174 | 337 |
| **SURPLUS/(DEFICIT)** | (18) | (174) | (337) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This entails 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: **Network Computing Initiatives**

Department: 650667
Project: 6502000007

Capital Priority Rating: 2-4
Plan Winnipeg Indicator: Government and the Economy - Support Provision of Information Technology Infrastructure (2C-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 119 | 216 | 216 | 209 | 211 | 213 | 1,065 | 1,184 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 119 | 216 | 216 | 209 | 211 | 213 | 1,065 | 1,184 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 89 | 246 | 176 | 180 | 280 | 213 | - | 1,184 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 89 | 246 | 176 | 180 | 280 | 213 | | 1,184 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 2 | 28 | 86 |
| **SURPLUS/(DEFICIT)** | (2) | (28) | (86) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Emerging multi tiered infrastructure, internet/intranet servers and other similar network based computing technologies are required to implement both corporate and departmental initiatives in support of shared quality customer information services. Specific initiatives include hardware, software and physical facilities protecting the City's networks and key systems from single site disasters, security products to address the ever growing computer virus and "spam" outbreaks, and re-organization assistance to efficiently manage new environment paradigms.

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

Project Name: **E-Government**

Department: 650667
Project: 6553000007

Capital Priority Rating: 2-3
Plan Winnipeg Indicator: Government and the Economy - Support Provision of Information Technology Infrastructure (2C-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 816 | 250 | 150 | 1,057 | 1,070 | 617 | 3,144 | 3,960 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 816 | 250 | 150 | 1,057 | 1,070 | 617 | 3,144 | 3,960 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 816 | 250 | 150 | 1,057 | 1,070 | - | 617 | 3,960 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 816 | 250 | 150 | 1,057 | 1,070 | | 617 | 3,960 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 22 | 203 | 270 |
| **SURPLUS/(DEFICIT)** | (22) | (203) | (270) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This capital fund supports projects that use information technology to support the provision of e-government services. This 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: **PeopleSoft Upgrade**

Department: 650667
Project: 6555000007

Capital Priority Rating: 2-3
Plan Winnipeg Indicator: Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 741 | - | - | - | 1,500 | 1,000 | 2,500 | 3,241 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 741 | | | | 1,500 | 1,000 | 2,500 | 3,241 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 261 | 480 | - | - | 1,500 | - | 1,000 | 3,241 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 261 | 480 | | | 1,500 | | 1,000 | 3,241 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 7 | 76 | 181 |
| **SURPLUS/(DEFICIT)** | (7) | (76) | (181) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City is committed to renewing its PeopleSoft investment every four years to take advantage of new functionality and remain current with supplier's support. Beyond the current renewal planned for 2006-2008, the City will significantly change the PeopleSoft application in 2011 -2013 when it will migrate from PeopleSoft to Oracle's Fusion products.

Project Name: **Data Warehouse / Business Intelligence**

Department: 650667
Project: 6556000009

Capital Priority Rating: 2-2
Plan Winnipeg Indicator: Government and the Economy - Support Provision of Information Technology Infrastructure (2C-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | 125 | 520 | 200 | - | 845 | 845 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | | 125 | 520 | 200 | | 845 | 845 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 125 | 520 | 200 | - | - | 845 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 125 | 520 | 200 | | | 845 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | - | - | 3 |
| **SURPLUS/(DEFICIT)** | - | - | (3) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The ability to accurately and consistently report data from many applications is becoming increasingly important as the City moves toward a more service based view of its operation. The Data Warehouse/Business Intelligence initiative will provide the base from which many application systems and their data can be brought together to provide reporting capability.

Project Name: **Assessment Automation**

Department: 140664
Project: 14000001

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Government and the Economy - Provide Sound Municipal Management (2B-04)

| AUTHORIZATION | Previous Budgets | 2007 Adopted | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 11,223 | 500 | 500 | 1,000 | 500 | - | - | 2,000 | 2,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 500 | 500 | 1,000 | 500 | | | 2,000 | 2,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 500 | 1,000 | 500 | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 500 | 500 | 1,000 | 500 | | | | 2,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Assessment Automation project includes a number of initiatives focused on improving the efficiency and the effectiveness of the assessment function through the appropriate use of automation. Examples of specific initiatives include the dynamic linkage between Computer-Aided Mass Appraisal (CAMA) and Geographic Information System (GIS) so that access to assessment data can be provided through the corporate spatial platform; the implementation of hand-held field data collection devices; the development of enhanced valuation systems for specific property types; implementation of an enhanced central filing system with integrated document management; development of enhanced self-service capabilities on the department's internet site; and the development of a departmental Quality Management System.

These efforts will serve to provide continuing improvements in the way that the assessment function is carried out, in the quality and accuracy of valuations, and the manner by which services are provided to all stakeholders in the assessment system.

Project Name: **Innovative Capital**

Department: 120664
Project: 120000696

Capital Priority Rating: 1-1
Plan Winnipeg Indicator: Government and the Economy - Encourage Activities Beneficial to the Winnipeg Economy (2C-10)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,946 | 120 | - | - | 305 | - | 425 | 3,371 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 2,976 | 288 | 12 | 250 | 305 | | 855 | 3,831 |
| Repayment to General Purpose Reserve | | (30) | (168) | (12) | (250) | | | (430) | (460) |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,946 | 120 | - | - | 305 | - | - | 3,371 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 2,976 | 288 | 12 | 250 | 305 | | | 3,831 |
| Repayment to General Purpose Reserve | (30) | (168) | (12) | (250) | | | | (460) |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding to increase efficiency and/or effectiveness for unspecified projects. Projects are issued on an individual basis and authorized by the Chief Administrative Officer.

Project Name: **311 Customer Service**

Department: 120664
Project: 1200001307

Capital Priority Rating: 2-2
Plan Winnipeg Indicator: Government and the Economy - Meet High Standards of Service Delivery (2B-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 1,000 | | | | | | - | 1,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | - | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 1,000 | | | | | | | 1,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 30 | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 28 | 85 | 52 |
| **SURPLUS/(DEFICIT)** | 2 | (85) | (52) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2005, Council concurred with a recommendation that a 311 model of customer service be adopted for the City. Project capital is being set aside to assist with completion of the evaluation process required with respect to the proposed 311 operation.

Project Name: **Transit Building Replacement / Refurbishment**

Department: 420752
Project: 420000xx07

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Integrating Transportation - Commit to Transit Improvements (3C-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 100 | - | - | - | - | 2,000 | 2,000 | 2,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 100 | | | | | 2,000 | 2,000 | 2,100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | - | - | 2,000 | 2,100 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 100 | | | | | | 2,000 | 2,100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 3 | 3 | 3 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 12 | 12 |
| **SURPLUS/(DEFICIT)** | 3 | (9) | (9) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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. The department continues to fund the maintenance of the facilities through the operating budget. However, it is becoming clear that more significant funding will be needed shortly to prevent building failure. The budget for 2007 will be a first step for this project and will consist of a study of the most cost effective approach to solve the building problems.

It is anticipated that the results of this review will result in this becoming a multi-year capital project. Any future funding authorized would be used to provide for major capital maintenance that the operating budget cannot support. The 2012 amount anticipates a significant amount of authority will be required, including the replacement of North Garage.

Estimated useful life - Dependent on the specific projects approved for the annual program.

Project Name: **Fuel Tanks Replacement**

Department: 420752
Project: 420000xx07

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Integrating Transportation - Commit to Transit Improvements (3C-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 800 | | | | | | - | 800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 800 | | | | | | | 800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 24 | 24 | 24 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 92 | 92 |
| **SURPLUS/(DEFICIT)** | 24 | (68) | (68) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Province of Manitoba issued a new regulation requiring owners of underground fuel tanks to have them recertified, the intent to ensure that they meet the requirements of the new regulation. The Transit Department has fuelling facilities at both Fort Rouge and North Garages. Given their advanced age, these tanks will need to be removed and replaced with new tanks. Any contamination of surrounding soil will also need to be addressed.

Estimated useful life - 20 years

Project Name: **Fare Collection System**

Department: 420753
Project: 423000xxyy

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Integrating Transportation - Commit to Transit Improvements (3C-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,000 | 3,000 | 3,500 | 2,500 | 2,500 | - | 11,500 | 13,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 567 | 3,000 | 3,500 | 2,500 | 2,500 | | 11,500 | 12,067 |
| Transfer from other authorized projects | | 1,100 | | | | | | - | 1,100 |
| Public Transit Capital Trust Funds | | 333 | | | | | | - | 333 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 5,000 | 1,000 | 1,000 | 6,500 | - | 13,500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 3,567 | 1,000 | 1,000 | 6,500 | | 12,067 |
| Transfer from other authorized projects | | | 1,100 | | | | | 1,100 |
| Public Transit Capital Trust Funds | | | 333 | | | | | 333 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | 107 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | 107 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing fare collection system is many decades old and limits flexibility in the type of fares that can be offered passengers.

The first operational phase of this project contemplates mechanizing the existing transfer dispensing system and acquiring replacement mechanical fareboxes. Among other benefits, the first phase will provide more consistent application of the Power Hour transfer.

Smart card and proximity card technologies have practical application in the transit industry and will permit more extensive use of prepaid fares, accommodate more complex fare systems, provide more efficient processing and reporting of fares, and provide a better defense against potential counterfeiting of monthly and weekly passes. As the technology is still developing and the public continues to accept this as a means of paying for goods and services, this part of the project will commence in 2010.

Estimated useful life - Twenty years.

Project Name: **Innovative Transit Program**

Department: 420755
Project: 423000xxyy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Integrating Transportation - Commit to Transit Improvements (3C-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 700 | 700 | 700 | 800 | 800 | 800 | 3,800 | 4,500 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 645 | 638 | 700 | 800 | 800 | 800 | 3,738 | 4,383 |
| Winsmart - Urban Transportation Showcase | | 55 | 62 | | | | | 62 | 117 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 490 | 705 | 705 | 800 | 800 | 800 | 200 | 4,500 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | 450 | 645 | 688 | 800 | 800 | 800 | 200 | 4,383 |
| Winsmart - Urban Transportation Showcase | 40 | 60 | 17 | | | | | 117 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 15 | 61 | 107 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 52 | 126 |
| **SURPLUS/(DEFICIT)** | 15 | 9 | (19) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

A number of projects identified in the Council approved Rapid Transit Task Force Implementation Report are to be funded through this capital program through 2011.

Under the Winsmart agreement (Urban Transportation Showcase Program), federal funding will be directed towards Park and Ride facilities. The City's contribution towards these facilities will be provided under the Innovative Transit Program.

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

Project Name: **Transit Buses**

Department: 420753
Project: 421000xxyy

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Integrating Transportation - Commit to Transit Improvements (3C-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 22,509 | 13,231 | 14,653 | 15,362 | 16,100 | 16,910 | 76,256 | 98,765 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | | 3,293 | 2,393 | 1,725 | 1,125 | 625 | 9,161 | 9,161 |
| Federation of Canadian Municipalities Loan (repaid with Government of Canada Public Transit Capital Trust funds) | | 3,417 | | | | | | - | 3,417 |
| Transit Bus Replacement Reserve | | 5,885 | 6,098 | 8,420 | 9,797 | 11,135 | 12,445 | 47,895 | 53,780 |
| Province of Manitoba - Building Manitoba Fund | | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 19,200 | 23,040 |
| Public Transit Capital Trust funds | | 9,367 | | | | | | - | 9,367 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 18,719 | 17,021 | 14,653 | 15,362 | 16,100 | 16,910 | - | 98,765 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity in Capital Assets Fund) | | 3,293 | 2,393 | 1,725 | 1,125 | 625 | | 9,161 |
| Federation of Canadian Municipalities Loan (repaid with Government of Canada Public Transit Capital Trust funds) | | 3,417 | | | | | | 3,417 |
| Transit Bus Replacement Reserve | 5,512 | 6,471 | 8,420 | 9,797 | 11,135 | 12,445 | | 53,780 |
| Province of Manitoba - Building Manitoba Fund | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | 3,840 | | 23,040 |
| Public Transit Capital Trust funds | 9,367 | | | | | | | 9,367 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 25 | 149 | 296 |
| Less: | | | |
| Operating expenditures increase/(decrease) | (25) | (100) | (400) |
| Debt and finance charges increase | | | 379 |
| **SURPLUS/(DEFICIT)** | 50 | 249 | 317 |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This ongoing project is for the purchase of new low-floor urban transit buses for the replacement of buses which have reached the end of their useful life. However, for 2006 and 2007, the project contemplates a reduced number of replacement buses being purchased. Instead, this project will also provide the necessary authority to complete the purchase of articulated hybrid transit buses.

A funding proposal has received approval from the Federation of Canadian Municipalities (FCM). The proposal provides for the purchase of 20 articulated diesel-electric hybrid buses. As well, the program will require facility changes to accommodate the storage, maintenance and servicing of these buses. These costs are included in the program.

The $27 million proposal will be funded (including that approved in the 2006 capital budget - Diesel-Electric Hybrid Transit Buses) as follows:

- $3.000 million grant from FCM;
- $10.225 million contribution from Public Transit Reserve (Bill C-66/Public Transit Capital Trust);
- $0.833 million grant from the Federal Government under the Winsmart initiative of the Urban Transportation Showcase Program; and
- $12.881 million contribution from Transit Bus Replacement Reserve.

Estimated useful life - 18 years

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

Project Name: **Transit Improvements**

Department: 420755
Project: 423000xxyy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Integrating Transportation - Invest Strategically in New Infrastructure (3D-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 14,999 | 3,054 | 6,109 | - | - | - | 9,163 | 24,162 |
| Financed by: | | | | | | | | | |
| Public Transit Capital Trust Funds | | 14,360 | | | | | | - | 14,360 |
| Less: Repayment of Federation of Canadian Municipalities Loan | | (3,417) | | | | | | - | (3,417) |
| Federal Gas Tax | | 2,443 | 3,054 | 6,109 | | | | 9,163 | 11,606 |
| Winsmart - Urban Transportation Showcase | | 333 | | | | | | - | 333 |
| Provincial payment for gap in Gas Tax Formula | | 1,280 | | | | | | - | 1,280 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,284 | 10,269 | 5,600 | 1,009 | - | - | - | 24,162 |
| Financed by: | | | | | | | | |
| Public Transit Capital Trust Funds | 3,561 | 7,382 | | | | | | 10,943 |
| Federal Gas Tax | 2,443 | 2,554 | 5,600 | 1,009 | | | | 11,606 |
| Winsmart - Urban Transportation Showcase | | 333 | | | | | | 333 |
| Provincial payment for gap in Gas Tax Formula | 1,280 | | | | | | | 1,280 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 50 | 100 | 150 |
| Less: | | | |
| Operating expenditures increase/(decrease) | 200 | 300 | 300 |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | (150) | (200) | (150) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On February 22, 2006, Council approved the report "Implementation Plan for Rapid Transit Task Force Recommendations". In response to the final report of the Rapid Transit Task Force, it provided advice with respect to:

- implementation of the Task Force's recommendations;
- a priority list of short-term improvements that could be undertaken in 2006 to 2007;
- timelines for potential implementation;
- costs of the options being recommended; and
- funding options for potential project costs.

A significant component of the report's recommendations requires that a capital program be established for the various projects outlined in the report, to be funded through the Government of Canada's gas tax, Bill C-66 and the recently announced Public Transit Capital Trust revenues (Reserves have been established by the City for these revenues - Gas Tax Reserve for the gas tax and Public Transit Reserve for the Bill C-66 and Public Transit Capital Trust revenues). Part of the Bill C-66 and Public Transit Capital Trust revenues will be used to partially fund the purchase of articulated hybrid transit buses (see Transit Buses project), the remainder to fund the Transit Improvements program noted here.

The projects to be carried out under this program are consistent with an integrated set of transit improvements in the major travel corridors of Winnipeg. Within each of these "Quality Corridors", a specific set of improvements tailored to the needs of each will be employed to improve the speed, reliability, comfort, convenience and accessibility to transit service. This program considers the basic service elements of vehicles, upgraded stops and stations, intelligent transportation systems technology, traffic priority for transit, and park and ride, as recommended for application by the Task Force.

Estimated useful life - variable depending on the project.

Project Name: **Origin-Destination Study**

Department: 420752
Project: 420000xx07

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit to Traffic Operations Improvements (3C-03)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | | |
| Public Transit Capital Trust Funds | | 800 | | | | | | - | 800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | - | - | - | - | - | - | 800 |
| Financed by: | | | | | | | | |
| Public Transit Capital Trust Funds | 800 | | | | | | | 800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | 24 | 24 | 24 |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | 92 | 92 |
| **SURPLUS/(DEFICIT)** | 24 | (68) | (68) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Origin-destination studies are used to determine travel patterns of traffic during a typical day in support of integrated land use and transportation planning. Individuals are surveyed to determine and analyze specific trips they make, gathering data on the trips between the origin and destination including the frequency of similar trips being made, the demand for the that trip throughout the day, the trip purpose, and the mode of travel chosen. The data is then used to evaluate present and, more importantly, projected travel patterns to identify trends in travel by purpose, mode, origins and destinations and the impacts of land use and to ensure that sufficient and appropriate investment in related infrastructure and services is made.

Since 1992, the City of Winnipeg has relied on Statistics Canada data which is insufficient in terms of sample size and comprehensiveness. The data to be gathered from a comprehensive origin-destination study will provide the baseline data necessary to support more meaningful integrated planning efforts. The models that get developed project outcomes of various scenarios such as traffic congestion, travel times, transit use, bicycle use and land use. In turn, these facilitate the evaluation, demonstration and analysis about how land use and transportation network decisions impact on each other. This survey will support the City in achieving strategic and managed growth.

It is intended that this survey be conducted every five years.

Estimated useful life - 5 years

Project Name: **Stormwater Retention Basin Rehabilitation**

Department: 200652
Project: 2075000106

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,272 | 200 | 150 | 200 | 200 | 200 | 400 | 1,150 | 1,350 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 200 | 150 | 200 | 200 | 200 | 400 | 1,150 | 1,350 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 150 | 200 | 200 | 200 | 400 | - | 1,350 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 200 | 150 | 200 | 200 | 200 | 400 | | 1,350 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 6 | 22 | 38 |
| **SURPLUS/(DEFICIT)** | (6) | (22) | (38) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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, 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 72 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 works will have to be reviewed in order to continue this program of asset preservation.

The expected life of this asset is 10 years.

Project Name: **Flood Pumping Station Rehabilitation**

Department: 200652
Project: 2076500106

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,044 | 900 | 1,000 | 900 | 1,000 | 1,000 | 1,000 | 4,900 | 5,800 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 900 | 1,000 | 900 | 1,000 | 1,000 | 1,000 | 4,900 | 5,800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 900 | 1,000 | 900 | 1,000 | 1,000 | 1,000 | - | 5,800 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 900 | 1,000 | 900 | 1,000 | 1,000 | 1,000 | | 5,800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 25 | 109 | 201 |
| **SURPLUS/(DEFICIT)** | (25) | (109) | (201) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Based on a review of the adequacy and operation of the regional flood protection system during high river levels on the Red and Assiniboine Rivers, it has been identified that critical components should be upgraded to improve overall station reliability during high river levels and potential rainfall events. Funding for this project also includes an annual program of carrying out major repairs, upgrades and/or improvements to the flood pumping stations and associated outfall pipes and gates. These include ventilation, electrical, mechanical, structural, architectural and geotechnical components. As well, the installation of remote monitoring at all 34 flood pumping stations is important for monitoring station operation during flood and rainfall events.

Formerly, under the 1990 "Clean and Beautiful Winnipeg" initiative, several flood pumping stations had been identified for aesthetic improvements.

The expected life of this asset is 50 years.

Project Name: **Land Drainage and Combined Sewers Outfall Gate Structures**

Department: 200652
Project: 2078500206

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 6,900 | 1,450 | 1,000 | 1,450 | 1,450 | 1,450 | 1,500 | 6,850 | 8,300 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 1,450 | 1,000 | 1,450 | 1,450 | 1,450 | 1,500 | 6,850 | 8,300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,450 | 1,000 | 1,450 | 1,450 | 1,450 | 1,500 | - | 8,300 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 1,450 | 1,000 | 1,450 | 1,450 | 1,450 | 1,500 | | 8,300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 40 | 156 | 266 |
| **SURPLUS/(DEFICIT)** | (40) | (156) | (266) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 to carry away rainfall and snow melt runoff. The gate structures will prevent the entry of river water into the land drainage and combined sewer systems. Subsequent to the 1997 flood event, 70 outfall locations were identified as requiring gates. To date 29 locations have been addressed, leaving 41 locations yet to be completed.

The expected life of this asset is 50 years.

Project Name: **Floodplain Management**

Department: 200652
Project: 2070000407

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 300 | - | 700 | - | - | - | 700 | 1,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 300 | | 700 | | | | 700 | 1,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | 700 | - | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 300 | | 700 | | | | | 1,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 8 | 26 | 48 |
| **SURPLUS/(DEFICIT)** | (8) | (26) | (48) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 and remove 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.

The implementation of such programs could be over a minimum of 5 to 10 years at a cost of $10 million.

Project Name: **St. Germain / Vermette Land Drainage Project**

Department: 200652
Project: 2070000206

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 100 | | | | | | - | 100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 100 | | | | | | | 100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 3 | 9 | 9 |
| **SURPLUS/(DEFICIT)** | (3) | (9) | (9) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The purpose of this program is to address major drainage issues along St. Mary's, Forbes and Fraser Roads. An engineering study was undertaken to develop a plan to alleviate drainage and overland flooding problems for the St. Germain and Vermette area. The proposed $13.0 million plan was put to an informal local canvas of benefiting properties. Based on the results from this canvas it was determined that a local improvement would be turned down by property owners. The current funding commitment will address high-priority areas identified in the engineering study and leave remaining areas as-is.

The expected life of the assets will be between 50 and 100 years.

Project Name: **Seine River Waterway Acquisition**

Department: 200652
Project: 2080000106

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 650 | 150 | 100 | 150 | 150 | 150 | 150 | 700 | 850 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 150 | 100 | 150 | 150 | 150 | 150 | 700 | 850 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 100 | 150 | 150 | 150 | 150 | - | 850 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 150 | 100 | 150 | 150 | 150 | 150 | | 850 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 4 | 16 | 27 |
| **SURPLUS/(DEFICIT)** | (4) | (16) | (27) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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: 200652
Project: 2070001406

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 600 | 565 | - | 250 | 800 | 1,500 | 1,390 | 3,940 | 4,505 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 565 | | 250 | 800 | 1,500 | 1,390 | 3,940 | 4,505 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 565 | - | 250 | 800 | 1,500 | 1,390 | - | 4,505 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 565 | | 250 | 800 | 1,500 | 1,390 | | 4,505 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 16 | 48 | 56 |
| **SURPLUS/(DEFICIT)** | (16) | (48) | (56) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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. A recently completed engineering study has identified that it will cost approximately $35 million to permanently raise the primaries and to deal with bank stability issues related to the City's primary 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 $114 million. 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.

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: 200652
Project: 2070001307

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 400 | 200 | 200 | 200 | 200 | 100 | 200 | 900 | 1,100 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 200 | 200 | 200 | 200 | 100 | 200 | 900 | 1,100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | 200 | 200 | 100 | 200 | - | 1,100 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 200 | 200 | 200 | 200 | 100 | 200 | | 1,100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 6 | 24 | 43 |
| **SURPLUS/(DEFICIT)** | (6) | (24) | (43) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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: **Charleswood & Wilkes South Land Drainage Project**

Department: 200652
Project: 2070000607

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,300 | 1,199 | - | - | - | - | 1,199 | 2,499 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 1,300 | 1,199 | | | | | 1,199 | 2,499 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | 1,199 | - | - | - | - | - | 2,499 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 1,300 | 1,199 | | | | | | 2,499 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 36 | 150 | 225 |
| **SURPLUS/(DEFICIT)** | (36) | (150) | (225) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The purpose of this program is to upgrade or construct components of the land drainage system in the Charleswood and Wilkes South areas to help alleviate long term drainage and overland flooding problems. The total cost of this project is estimated at $10 million. Recovery of expenditures through the local improvement process will be explored prior to implementation. The expected life of the assets will be between 50 and 100 years.

Project Name: **Kildare Trunk Permanent Flood Pumping Station**

Department: 200652
Project: 2081000104

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

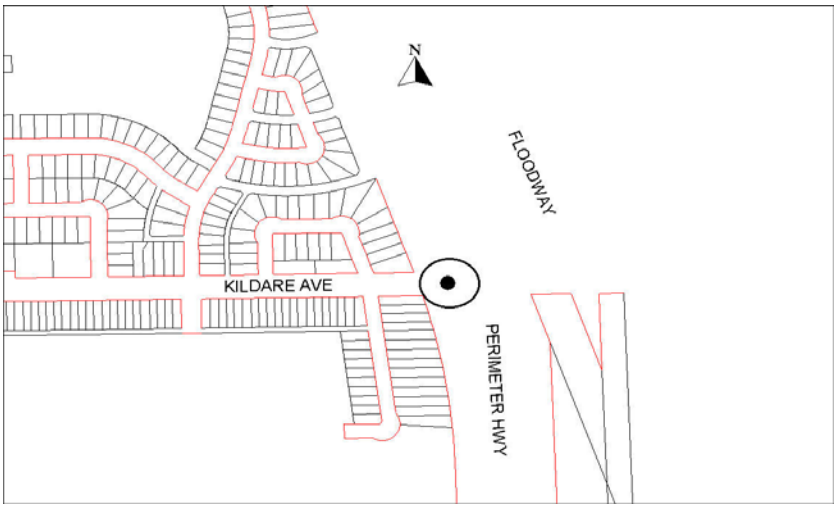
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 700 | 250 | - | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 250 | | | | | | - | 250 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | - | - | - | - | - | - | 250 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 250 | | | | | | | 250 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 7 | 21 | 21 |
| **SURPLUS/(DEFICIT)** | (7) | (21) | (21) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes construction of a permanent pumping station at the outfall of the Kildare Land Drainage Trunk Sewer to the Red River Floodway to allow discharge of land drainage runoff from snowmelt and rainfall under high Floodway level conditions. The station will serve a large catchment area (1,820 hectares) where use of smaller temporary pumps present logistical and reliability difficulties. Construction will be undertaken to correspond to when the Manitoba Floodway Authority is widening the Floodway channel in this area and rebuilding the Kildare outfall into the Floodway. The expected life of the structure is 75 years and the expected life of the pumps is 20 years.



Project Name: **Land Drainage Asset Management Strategy**

Department: 200652
Project: 2070xxxxyy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 150 | - | - | - | 200 | - | 200 | 350 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 150 | | | | 200 | | 200 | 350 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | - | - | - | 200 | - | - | 350 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 150 | | | | 200 | | | 350 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 4 | 13 | 13 |
| **SURPLUS/(DEFICIT)** | (4) | (13) | (13) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Asset management principles are being utilized for various sections in the Water and Waste Department. An asset management strategy 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 the land drainage service. The asset management strategy will identify, prioritize and establish the future direction of condition assessments, establish deterioration / life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements. In 2011, it is envisaged that works would begin in "televising" the land drainage pipe network and re-establishing drain capacity in the City's major drains.

Project Name: **River Ridge Dike - Shoreline Erosion Protection**

Department: 200652
Project: 2070yyyyxx

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 435 | - | - | - | - | - | - | 435 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 435 | | | | | | - | 435 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 435 | - | - | - | - | - | - | 435 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 435 | | | | | | | 435 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 12 | 37 | 37 |
| **SURPLUS/(DEFICIT)** | (12) | (37) | (37) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The construction of the River Ridge subdivision off Main Street in the north end of Winnipeg will require constructing a new primary dike to provide flood protection for the new subdivision. The existing primary dike currently runs down Main Street. A portion of this dike will also require shoreline erosion protection to protect the riverbank from further erosion.

Typically a developer is responsible for the entire cost of a new primary dike and associated works. A Community Committee recommendation for this development (DASZ 10/05) on June 16, 2005 limited the developer's erosion protection costs to $250,000. This recommendation was subsequently adopted by Council on July 27, 2005. The erosion works are now estimated at $685,000 with the City funding the difference of $435,000. The City's share of this project is included in 2007.

Project Name: **Ravelston Land Drainage Pumping Station Upgrading**

Department: 200652
Project: 2076yyyyxx

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 350 | 1,650 | - | - | - | - | 1,650 | 2,000 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 350 | 1,650 | | | | | 1,650 | 2,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 350 | 1,650 | - | - | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 350 | 1,650 | | | | | | 2,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 10 | 83 | 187 |
| **SURPLUS/(DEFICIT)** | (10) | (83) | (187) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Ravelston Land Drainage Pumping Station pumps from the Transcona Deep Pond into the Kildare Trunk Sewer. The pumping station is experiencing significant corrosion problems likely due to meltwaters from the adjacent snowdump. An engineering study will be undertaken in 2007 to assess how much of the old pumping station can be rehabilitated. Funds for 2008 represent a preliminary estimate of the rehabilitation costs, which will be confirmed by the engineering study.

Project Name: **Portable Flood Pumps**

Department: 200652
Project: 2070yyyyxx

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 250 | 250 | 250 | - | - | - | 500 | 750 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 250 | 250 | 250 | | | | 500 | 750 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 250 | 250 | 250 | - | - | - | - | 750 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 250 | 250 | 250 | | | | | 750 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 7 | 29 | 53 |
| **SURPLUS/(DEFICIT)** | (7) | (29) | (53) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water and Waste Department has an inventory of portable pumping units that are used to pump out sewer systems during high water levels along the City's Rivers to prevent the possibility of basement flooding during rainstorms. The existing inventory of 30 pumping units, many dating back to 1950, have reached the end of their useful life expectancy and are in need of replacement.

On February 22, 2006, Council adopted a recommendation and approved a new 2006 Capital Project outside of the 2006 Capital Budget process to initiate replacement of the existing portable flood pumps. The estimated cost of the recommendation was $250,000 which allowed for the purchase of five pumps in the spring of 2006.

On December 6, 2006, Council adopted a recommendation that an expenditure of $250,000 be authorized before the 2007 Capital Budget is adopted, as a first call against the 2007 Tax Supported Capital Budget in order to procure a contract for the purchase, delivery and set-up of portable flood pumps in time for preparations for the 2007 spring flood related activities.

Funds will be used to continue the replacement of existing pumps. This purchase will provide for reliable flood fighting equipment and enhance the flood fighting capability of City personnel by reducing the requirement for constant monitoring of the pumping equipment.

Project Name: **Combined Sewer Flood Relief**

Department: 200652
Project: 2071000106

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 130,509 | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | 36,000 | 43,200 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | 36,000 | 43,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | - | 43,200 |
| Financed by: | | | | | | | | |
| Frontage Levy | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | 7,200 | | 43,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program, which was approved by Council on October 21, 1987, provides for basement flood relief to combined sewered 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.

Prior to October 21, 1987, there were 42 combined sewer areas in Winnipeg. Currently, there are 24 combined sewer areas, which have sewer relief works and 18 areas yet to be relieved. The cost for the remainder of the program is $96,630,000, and at current funding rates will require 13.4 years to complete. The benefit to cost ratio of outstanding work is 3.8 to 1, meaning every dollar spent on sewer relief works will save 3.8 dollars in flood damage.

The expected life of this asset is over 50 years.

Project Name: **Flood Relief Sewers - Separate**

Department: 200652
Project: 2072000106

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,200 | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 | 1,800 |
| Financed by: | | | | | | | | | |
| Frontage Levy | | 300 | 300 | 300 | 300 | 300 | 300 | 1,500 | 1,800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 300 | 300 | 300 | 300 | 300 | - | 1,800 |
| Financed by: | | | | | | | | |
| Frontage Levy | 300 | 300 | 300 | 300 | 300 | 300 | | 1,800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Basement flooding has become an issue in some separate sewered areas as in combined sewered 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.

Project Name: **Development Agreement Paybacks**

Department: 200652
Project: 2077000106

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 2,000 | 500 | 500 | - | - | - | 1,000 | 3,000 |
| Financed by: | | | | | | | | | |
| Developer Capacity Charges | | 2,000 | 500 | 500 | | | | 1,000 | 3,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 500 | 500 | - | - | - | - | 3,000 |
| Financed by: | | | | | | | | |
| Developer Capacity Charges | 2,000 | 500 | 500 | | | | | 3,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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:

| | |
|---|---|
| 2007 DASZ 50/04 - Qualico/Harbourview Phase II | $2,000,000 |
| 2008 DASZ 56/85 - Inksbrook Park Development | $500,000 |
| 2009 DASZ 3/93 - Genstar/Amber Trails | $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: 200652
Project: 2082xxxxyy

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Land Drainage and Flood Protection (3D-08)

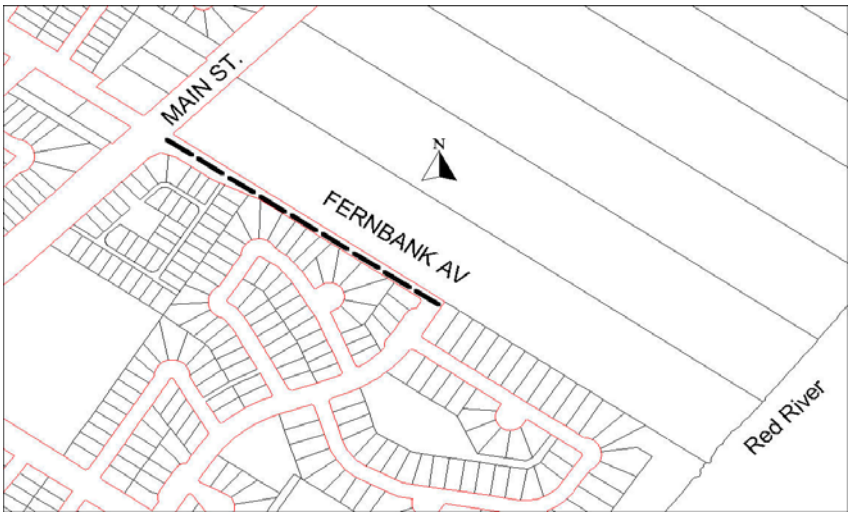
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 875 | - | - | 875 | 875 |
| Financed by: | | | | | | | | | |
| Developer Capacity Charges | | | | | 875 | | | 875 | 875 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 875 | - | - | - | 875 |
| Financed by: | | | | | | | | |
| Developer Capacity Charges | | | | 875 | | | | 875 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes construction of a 1350 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: **Outfall Rehabilitation**

Department: 200652
Project: 2078000106

Capital Priority Rating: 3 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,866 | 550 | 500 | 400 | 550 | 550 | 800 | 2,800 | 3,350 |
| Financed by: | | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | | 550 | 500 | 400 | 550 | 550 | 800 | 2,800 | 3,350 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 550 | 500 | 400 | 550 | 550 | 800 | - | 3,350 |
| Financed by: | | | | | | | | |
| Cash to Capital (Equity In Capital Assets Fund) | 550 | 500 | 400 | 550 | 550 | 800 | | 3,350 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | 15 | 63 | 107 |
| **SURPLUS/(DEFICIT)** | (15) | (63) | (107) |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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, 3 more sites have been added for a total of 58 sites. To date 26 locations have been refurbished, with 32 sites remaining.

The expected life of this asset is 50 years.

Project Name: **Long Term Zebra Mussel Mitigation**

Department: 200751
Project: 2012xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 1,100 | 1,100 | 1,100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | | 1,100 | 1,100 | 1,100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,100 | - | 1,100 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | | 1,100 | | 1,100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Zebra mussels have existed in the Great Lakes since 1986. Their rapid population growth and steady infestation of surrounding bodies of fresh water has created operating problems and costs to utilities withdrawing fresh water from such areas. The City recognizes that Shoal Lake could be infested with zebra mussels. Accordingly, upgrading the Shoal Lake Intake Facilities is required to mitigate potential zebra mussel problems. Upgrading to provide mitigative measures may be implemented for short and long term control. Engineering studies concerning long term mitigative measures will be carried out and may include physical measures and/or chemical control.

The expected life of this asset is 25 years.

Project Name: **Saskatchewan Avenue Feedermain**

Department: 200751
Project: 2004xxxxyy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

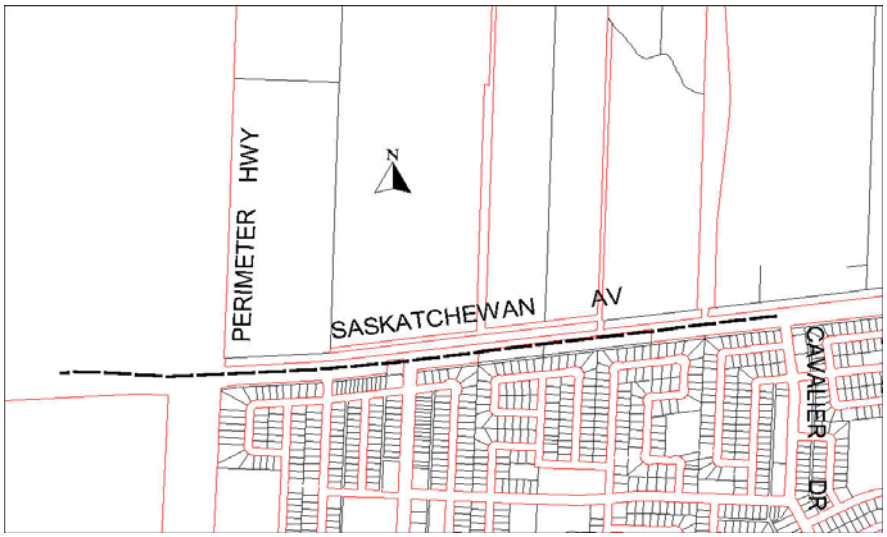
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,300 | - | 1,300 | 1,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 1,300 | | 1,300 | 1,300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,300 | - | - | 1,300 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 1,300 | | | 1,300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Urban development of the lands within the City and west of the Perimeter Highway will require an extension of the water distribution system to provide a looped supply. The funds included are to provide for a watermain between Cavalier Drive and a point 500 metres west of PTH 101 on Saskatchewan Avenue. It is expected that watermains required within the development lands to complete the loop will be oversized by developers. The expected life of this asset is over 50 years.



Project Name: **GWWD Railway Bridge Replacement**

Department: 200751
Project: 20060003yy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,900 | 550 | - | - | - | - | - | - | 550 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 550 | | | | | | - | 550 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 550 | - | - | - | - | - | - | 550 |
| Financed by: | | | | | | | | |
| Retained Earnings | 550 | | | | | | | 550 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project involves the replacement of the timber bridge at Mile 77.4 (East Braintree) with a salvaged steel span or a new structure, as well as 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 Supervisory Control and Data Acquisition (SCADA) Upgrade**

Department: 200751
Project: 20050002yy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,308 | - | - | - | - | 1,800 | 2,900 | 4,700 | 4,700 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 1,800 | 2,900 | 4,700 | 4,700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,800 | 2,900 | - | 4,700 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 1,800 | 2,900 | | 4,700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Supervisory Control and Data Acquisition (SCADA) system controls and monitors the operation of the Drinking Water Treatment Plant and the Regional 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 regional pumping stations (McPhillips, MacLean, and Hurst) Tache and Deacon Booster Pumping Stations and Shoal Lake Intake were installed in 1992 and will no longer be 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 optimized the operation of the system.

The expected life of this asset is 10 years but will depend on the technical advancement in the process automation field.

Project Name: **Branch II Aqueduct Valve Interconnection Control Structure**

Department: 200751
Project: 2003xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 300 | - | - | - | - | 300 | 300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 300 | | | | | 300 | 300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | - | - | - | - | - | 300 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 300 | | | | | | 300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2004, a valve chamber was constructed on the Branch II Aqueduct at the Aqueduct interconnection location. This valving arrangement has increased the reliability of the Branch II Aqueduct and will facilitate emergency and planned repairs. Now that the treatment plant design is nearing completion and preparations for the commissioning and operation of the plant are underway, the need for the conversion of the manually operated valves of the Branch II Aqueduct valve chamber at the interconnection location to remote automated control has been identified. The funds included are for the remote operation of the valve actuators and the control structure to house them.

The expected life of this asset is 50 years.

Project Name: **Tache Booster Pumping Station Upgrading**

Department: 200751
Project: 2005000606

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

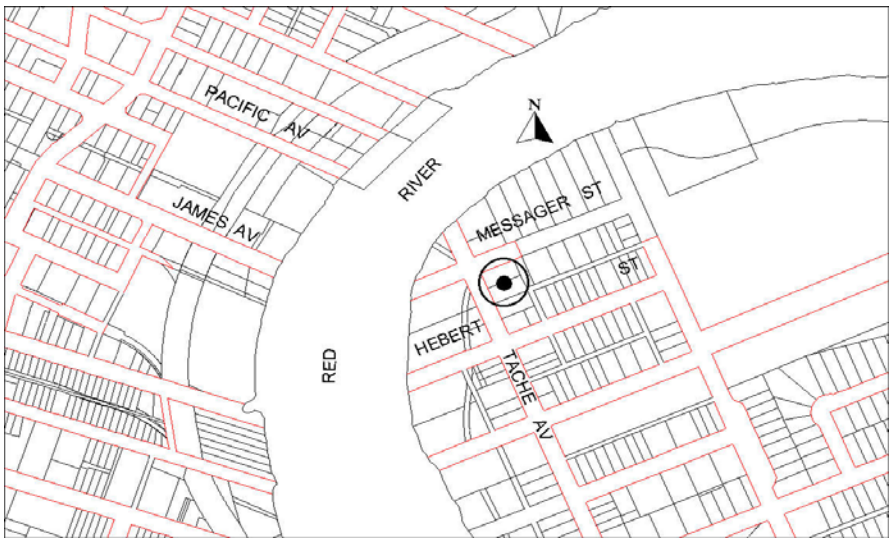
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | 1,000 | 800 | - | - | - | - | 800 | 1,800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | 800 | | | | | 800 | 1,800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 800 | - | - | - | - | - | 1,800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | 800 | | | | | | 1,800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Tache Booster Pumping Station on the Branch 1 Aqueduct was constructed in 1950 in order to develop the full capacity of the aqueduct. Recently, a study identified a number of required upgradings to the pumping station and the aqueduct surge tower adjacent to the station. The work, which is planned for 2007 and 2008, includes replacing the pump motors, upgrading the station electrical, heating and ventilation systems, upgrading the foundation and roof structures, and a reconfiguration of the valving and piping between the pumping station and the surge tower. Also, aesthetic, 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 rehabilitated asset is 50 years.



Project Name: **Shoal Lake Aqueduct Intake Structure Condition Assessment**

Department: 200751
Project: 2003xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 200 | 800 | 1,000 | - | - | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 200 | 800 | 1,000 | | | 2,000 | 2,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 800 | 1,000 | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 200 | 800 | 1,000 | | | | 2,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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. The control of water flow is critical to the safe operation of the Aqueduct, as the Aqueduct was designed to operate as a non-surcharged pipe. The intake structure has a number of mechanical gate and screening components and related features that date back to the original construction. Given the necessity and 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 is required to determine future rehabilitation and replacement requirements. The assessment will also consider alterations and/or additions to the intake structure to minimize its impact on the spring fish spawning.

The expected life of this rehabilitated asset is 50 years.

Project Name: **Disraeli Feedermain - Red River Crossing Rehabilitation / Replacement**

Department: 200751
Project: 2004xxxxyy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | 2,500 | - | - | - | 2,500 | 2,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 2,500 | | | | 2,500 | 2,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,500 | - | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 2,500 | | | | | 2,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Disraeli Feedermain is suspended from the underside of the existing Disraeli Freeway bridge structure. Significant leak repairs have been made to the feedermain in the past five years due to corrosion. In consideration of the feedermain's age (over 40 years), recent leak history, and exposure to the elements, a condition assessment was undertaken in 2004 which recommended replacement of the pipe.

The preferred alternative is to remove this pipe from the bridge and install a new watermain under the river. A consolidation of the existing distribution watermains will be requried. The expected life of this new asset is 50 years.



Project Name: **Shoal Lake Intake Chloramination Facility**

Department: 200751
Project: 20020005yy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 2,300 | - | 2,300 | 2,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 2,300 | | 2,300 | 2,300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 2,300 | - | - | 2,300 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 2,300 | | | 2,300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Presently, chlorine is used at the intake for disinfection, slime control in the aqueduct and zebra mussel control. This results in high levels of disinfection byproducts being formed. The conversion to chloramination at the Shoal Lake Intake is part of the long-term water treatment strategy to reduce the formation of chlorine disinfection byproducts. The water treatment plant must be constructed and operational prior to converting to chloramination at the intake to replace the strong disinfection advantages of chlorine. The Water Treatment Project Risk Management process identified viable alternatives to gas chlorine to reduce risk. Given the consequences associated with gas chlorine, an alternative form of chlorination will be investigated for the Shoal Lake Intake.

The expected life of this asset is 25 years.

Project Name: **General Water Infrastructure Rehabilitation**

Department: 200751
Project: 2001xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 200 | 500 | 300 | 300 | 300 | 1,600 | 1,600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 200 | 500 | 300 | 300 | 300 | 1,600 | 1,600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | 500 | 300 | 300 | 300 | - | 1,600 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 200 | 500 | 300 | 300 | 300 | | 1,600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

Project Name: **Midtown Feedermain - Assiniboine River Crossing Replacement / Rehabilitation**

Department: 200751
Project: 20040002yy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,500 | - | - | - | - | 2,500 | 2,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 2,500 | | | | | 2,500 | 2,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 2,500 | - | - | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 2,500 | | | | | | 2,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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, rehabilitation/replacement works are scheduled for 2008. The expected life of this rehabilitated asset is 50 years.

Project Name: **Waverley West Feedermain**

Department: 200751
Project: 20040001yy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

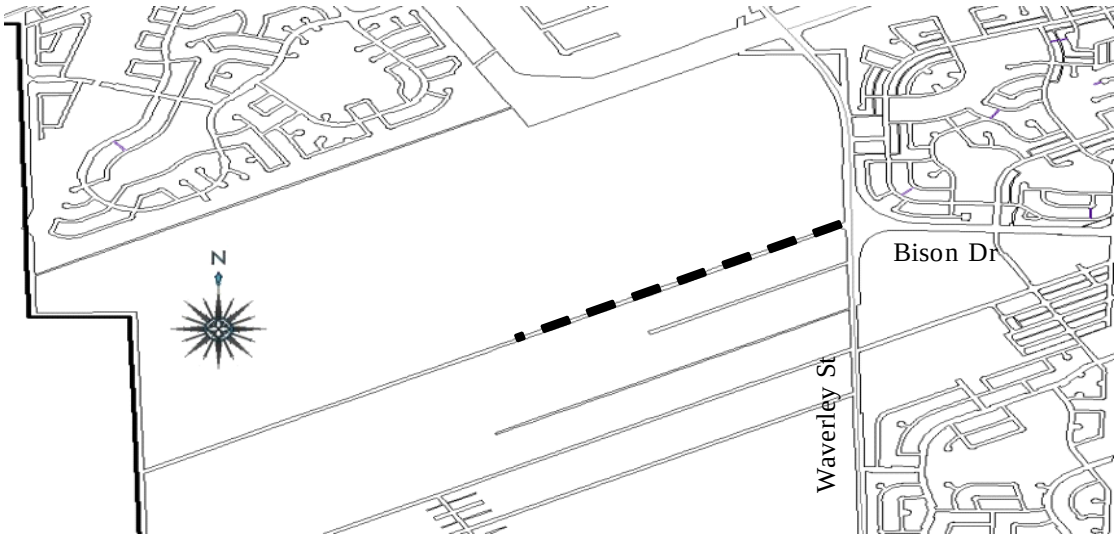
| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,500 | - | - | 4,200 | 6,700 | 6,700 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 2,500 | | | 4,200 | 6,700 | 6,700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 2,500 | - | - | 4,200 | - | 6,700 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 2,500 | | | 4,200 | | 6,700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 1 and Phase 2 of the feedermain extension. Phase 1 is from the existing feedermain at Waverley Street and Bison Drive and extends into the Waverley West lands. Phase 2 will continue the Phase 1 extension west into the Waverly West lands and south down the proposed Kenaston Blvd extension. The expected life of the asset is over 50 years.



Project Name: **Feedermain Condition Assessment Study - Phase 1**

Department: 200751
Project: 2004xxxxyy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 500 | | | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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. Future funds will be identified as part of the first phase of this project.

The expected life of this asset is 50 years.

Project Name: **Water Utility Asset Management Strategy**

Department: 200751
Project: 2001000606

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 600 | - | 200 | - | - | - | 200 | 800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 600 | | 200 | | | | 200 | 800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 600 | - | 200 | - | - | - | - | 800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 600 | | 200 | | | | | 800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Asset management principles are being utilized for various projects in the water utility. However, development of an asset management strategy 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 the water utility. The asset management strategy will identify, prioritize and establish the future direction of condition assessments, establish deterioration / life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements.

Project Name: **Shoal Lake Aqueduct Asset Preservation**

Department: 200751
Project: 2003000706

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 750 | - | - | - | - | 1,000 | 1,000 | 1,750 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 750 | | | | | 1,000 | 1,000 | 1,750 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | - | - | - | - | 1,000 | - | 1,750 |
| Financed by: | | | | | | | | |
| Retained Earnings | 750 | | | | | 1,000 | | 1,750 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

During the rehabilitation of the Aqueduct, an inventory of specialized and costly inspection and maintenance equipment was assembled which will continue to be utilized in the ongoing inspection and maintenance of the Aqueduct. This equipment requires a dedicated and secure storage facility to ensure its functionality and availability.

The expected life of this asset is 50 years.

Project Name: **Water Supply Valve Installation / Replacement Program**

Department: 200751
Project: 2004000606

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 1,300 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 | 8,800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,300 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 7,500 | 8,800 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,300 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | - | 8,800 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,300 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | | 8,800 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The water supply valves are critical elements used to control the distribution of water from the source through the feedermain pipes. The scope of the work will vary with site-specific conditions. This program will include installation of valves at new locations to improve service reliability and reduce environmental risk. The program will also include replacement of valves, operators, SCADA control equipment, related pipe connections, and restoration works. This is an ongoing program with additional funding being included in future years.

Life expectancy will vary between 20 and 50 years.

Project Name: **Shoal Lake Aqueduct Maintenance / Storage Facility**

Department: 200751
Project: 2003000706

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | 1,500 | - | - | 1,500 | 1,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 1,500 | | | 1,500 | 1,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,500 | - | - | 1,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 1,500 | | | 1,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing Shoal Lake Aqueduct Maintenance / Storage Facility is used to complete required maintenance on repairs to the train engines while located at the Intake. The existing facility cannot accommodate the larger engines, due to the existing door opening height. The facility also requires significant structural upgrades and repairs. The existing facility structure is a very unique design that will require engineering analysis to determine if modifications are possible to the structure. It is anticipated that repairs and modifications to this unique structure could exceed the construction cost of a new replacement structure at the site. An engineering assessment will be completed to determine if modifications to the existing facility are possible and to confirm the future rehabilitation or replacement costs.

The expected life of the asset is 50 years.

Project Name: **Hurst Pumping Station Building - Structural Repairs**

Department: 200751
Project: 2005000706

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | - | - | 1,000 | - | - | 1,000 | 1,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 1,000 | | | 1,000 | 1,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 1,000 | - | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 1,000 | | | | 1,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

There are structural defects noted on the precast concrete panels at the Hurst Pumping Station. Noted defects include deterioration of the copings (exposing reinforcing steel), cracked panels, deterioration of ribs on the panels and the deterioration of the caulking joints in several locations. These conditions may lead to water penetration into the building envelope. A structural review of these conditions is required to determine rehabilitation or replacement costs.

The expected life of the asset is 50 years.

Project Name: **Chlorination Decommission at Regional Pump Stations**

Department: 200751
Project: 2005xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 100 | - | - | 100 | 100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | 100 | | | 100 | 100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 100 | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 100 | | | | 100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On November 22, 2000 Council adopted the Water Treatment Program which includes the conversion from chlorine disinfection to choramine disinfection. The existing chlorine disinfection facilities within the three Regional Pumping facilities will be decommissioned once the new drinking water treatment plant has been successfully commissioned. The proposed works at McPhillips, Hurst and MacLean pump stations will include the removal of gas chlorine and the decommissioning of the related chlorination systems.

Project Name: **Safety Upgrades - Isolation Valves at Valve and Meter Pits**

Department: 200751
Project: 2001001406

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 300 | - | 300 | 300 | 300 | - | - | 900 | 900 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 300 | 300 | 300 | | | 900 | 900 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | 300 | 300 | - | - | - | 900 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 300 | 300 | 300 | | | | 900 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 procedures require that water pressure be turned off outside those pits. In order to reduce inconvenience to customers included in the shutdown areas, additional valves and bypasses are required outside the pits.

The expected life of these assets are 50 years.

Project Name: **GIS Database Restructuring and Data Integrity Upgrades**

Department: 200751
Project: 2010xxxxyy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 150 | - | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 150 | | | | | | - | 150 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 50 | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Retained Earnings | 100 | 50 | | | | | | 150 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2005, the Water and Waste Department started an in depth review of the water and sewer Geographical Information System (GIS) database structure. This review will result in the requirement to restructure the various GIS databases, reconfigure the GIS software, perform extensive data clean-up and input new data.

The scope of the project includes the following: 1. Restructure all of the GIS databases tables in Oracle - new features will be added to the data base and redundant features will be removed. The structure of remaining tables will be revised also. This will result in adding and removing tables from the structure as well as revising fields in the remaining tables. Data from other information systems will be amalgamated into the water and sewer GIS database as well. 2. Improve the integrity of the data in GIS - this will result in cleaning up the numerous spelling errors, changing inappropriate data to correct data and filling in blank fields. Field survey work will be required to capture some of the missing data. 3. Input all of the new data into database and revise errors.

Funding for this project will be split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Deacon Booster Pumping Station - Building Upgrades**

Department: 200751
Project: 2005xxxxyy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | - | - | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 500 | | | | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 500 | | | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Booster Pumping station was commissioned in 1980 and since then only limited maintenance had been undertaken. The roofing and light well translucent panels of the station superstructure require replacement. Also, the station's associated valve chamber designated as VC4 requires rehabilitation. The superstructure of the valve chamber was originally constructed with the Shoal Lake Aqueduct and requires attention.

The expected life of this asset is 20 years.

Project Name: **Deacon Chemical Feed Facility Upgrading**

Department: 200751
Project: 2002xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 | 1,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 1,000 | - | - | 1,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 1,000 | | | 1,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Chemical Feed Building contains chemical storage and injection equipment to treat the City's drinking water with fluoride and orthophosphate. Given the corrosive nature of such chemicals, the chemical pumps, piping and related monitoring and control equipment will require upgrading and replacement by 2011.

The expected life of this asset is 20 years.

Project Name: **Regional Pumping Stations Structural Upgrades**

Department: 200751
Project: 2005xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 500 | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 500 | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 500 | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The McPhillips, Hurst and MacLean pumping stations provide the final pumping to deliver water to the Water Utility customers. The pump stations 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 2011 with future funding requirements to be identified in the report.

The expected life of these assets are 50 years.

Project Name: **Safety Upgrades - Wilkes Reservoir "B" Pit**

Department: 200751
Project: 2011xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 600 | - | 600 | 600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 600 | | 600 | 600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 600 | - | - | 600 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 600 | | | 600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Wilkes Reservoir "B" Pit, constructed in the early 1960's is one of two critical inlet control structures for controlling the flow of water into the Wilkes Reservoir. The "B" pit improvement works will address the employee safety requirements, egress requirements, valve replacement, structural/foundation repairs, electrical upgrades and improve the site/groundwater drainage.

The expected life of this asset is 50 years.

Project Name: **Centralized Facilities Renovation / Construction**

Department: 200751
Project: 2001001106

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | - | 200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water and Waste Department has identified organizational changes that will support the future expanded operations of both water and wastewater operations. The changes include transferring responsibility for local sewer services from the Water Services Division to the Wastewater Services Division. Also, a mechanical, electrical and civil maintenance capability in the Water Services Division will be established. To accommodate the anticipated amalgamation of Local and Regional Sewer staff into one location, and the establishment of mechanical, electrical and civil maintenance capability, a facilities study will have to be undertaken. The recommendations from the study will then be implemented.

Currently the local water and sewer staff are located in the same building. Funding for this project is being split 50/50 with the Sewage Disposal System Fund as the Wastewater Services Division will also be investigating its options for Local and Regional Wastewater Services amalgamation between local and regional staff.

The life expectancy of this asset is 30 years.

Project Name: **Asbestos Containing Materials Operations & Maintenance Program**

Department: 200751
Project: 2001000905

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 185 | 125 | 125 | 125 | 125 | 125 | - | 500 | 625 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 125 | 125 | 125 | 125 | 125 | | 500 | 625 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 125 | 125 | 125 | 125 | 125 | - | - | 625 |
| Financed by: | | | | | | | | |
| Retained Earnings | 125 | 125 | 125 | 125 | 125 | | | 625 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In accordance with the City of Winnipeg Asbestos Code of Practice, the Water and Waste Department is initiating its Asbestos Containing Materials Operating and Maintenance Program. Funding is required for professional services including inspections, database development, labelling, testing, Asbestos Containing Material (ACM) remediation contract services, training, and response plan development in the Water Services Division and Wastewater Services Division. Funding for this project will be split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Branch I Aqueduct at Seine River - Riverbank Stabilization**

Department: 200751
Project: 2003xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 200 | 1,000 | 1,200 | 1,200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 200 | 1,000 | 1,200 | 1,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 200 | 1,000 | - | 1,200 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 200 | 1,000 | | 1,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

Project Name: **Regional Pumping Stations Reliability Upgrades**

Department: 200751
Project: 2005xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | - | 1,600 | 1,600 | 1,600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | | 1,600 | 1,600 | 1,600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 1,600 | - | 1,600 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | | 1,600 | | 1,600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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. A Water Pumping Station Power Reliability Study is currently ongoing and will review and prioritize electrical and control improvements to reduce the effects of electrical power disruptions. Detailed design and related works for the proposed improvements will be completed.

The expected life of this asset is 20 years.

Project Name: **Waterworks System Security Upgrades**

Department: 200751
Project: 2001xxxxyy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | - | 200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

Project Name: **Watermain Renewals**

Department: 200751
Project: 2013000106

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 35,000 | 42,000 |
| Financed by: | | | | | | | | | |
| Watermain Renewal Reserve | | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 35,000 | 42,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | - | 42,000 |
| Financed by: | | | | | | | | |
| Watermain Renewal Reserve | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | 7,000 | | 42,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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, watermain studies, assessments and hydraulic improvements for fire protection purposes. 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: **Water Treatment Plant - Functional & Detailed Design & Construction**

Department: 200751
Project: 20020001SM

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Protect and Manage Potable Water Supply and Source (3D-05)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 227,342 | 72,800 | - | - | - | - | - | - | 72,800 |
| Financed by: | | | | | | | | | |
| Water Treatment Reserve | | 8,500 | | | | | | - | 8,500 |
| Retained Earnings | | 2,800 | | | | | | - | 2,800 |
| External Debt | | 61,500 | | | | | | - | 61,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,800 | 70,000 | - | - | - | - | - | 72,800 |
| Financed by: | | | | | | | | |
| Water Treatment Reserve | | 8,500 | | | | | | 8,500 |
| Retained Earnings | 2,800 | | | | | | | 2,800 |
| External Debt | | 61,500 | | | | | | 61,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 1994, Council adopted the recommendation that the City plan for water treatment to protect public health by controlling disinfection by-products and pathogens, and to meet more stringent water quality guidelines. A Water Treatment Reserve Fund was also created to provide approximately 50% cash at the time of construction. Between 1994 and 2000, $5.0 million in funding was approved for pilot studies and conceptual design.

In 1999, the technical work was completed and a Council Seminar was conducted to present a summary of water quality guidelines, public health risks and consequences, recommended water treatment process, and cost and financing of a water treatment plant. Also in October 1999, a special meeting of the Executive Policy Committee (EPC) was held to gather public input on the need to construct a water treatment plant. The final report recommending the water treatment program was considered by EPC on October 11, 2000. Council approved the recommended water treatment program on November 22, 2000, and the construction management project delivery strategy on June 25, 2003.

On March 23, 2005, Council adopted a recommendation to amend the Water Treatment Program to include on-site generation of sodium hypochlorite for disinfection instead of chlorine gas and a standby power system to allow operation of one train of the water treatment plant to produce 200 megalitres per day of treated water during power outages. The estimated cost of this recommendation is $13,300,000.

On November 23, 2005 Council adopted a recommendation to amend the Water Treatment Program to include additional control systems infrastructure, workshops and staff. The estimated cost for this recommendation is $2,800,000. The project cost is estimated at $230,142,000.

On March 22, 2006 Council adopted the recommendation to adjust the schedule completion date to 2008.

The Water Treatment Program prices have escalated due to the active construction market, labour shortage and increases in the materials. A financial report dated May 1, 2006 identifying an additional costs of $70,000,000 was submitted to the Standing Committee on Fiscal Issues on June 13, 2006. The project cost is estimated at $300,142,000.

The conceptual value and preliminary engineering phases of this project have been completed. The detailed engineering is now underway and construction commenced in May, 2005. The solids from the water treatment process will be dewatered in settling cells and to that end some property will have to be purchased from an adjacent landowner. The expected life of this asset is over 50 years.

Project Name: **Primary Clarifier Covers - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 20310008yy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 8,200 | - | 8,800 | - | - | - | - | 8,800 | 8,800 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 8,800 | | | | | 8,800 | 8,800 |
| | | | | | | | | - | - |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 8,800 | - | - | - | - | - | 8,800 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 8,800 | | | | | | 8,800 |
| | | | | | | | | - |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The three uncovered primary clarifiers at the NEWPCC have been identified as one of the remaining untreated odour sources at the site. Covering the clarifiers will also facilitate year round maintenance and operational flexibility. The project was previously amended to include replacement of the aging sweep mechanisms and their associated mechanical and electrical equipment.

The budget originally established for this work was developed in 2003. The design is currently underway and the construction is expected to take place in 2007 and 2008. Recent construction cost increases average 15% per year, a better understanding of the required work and changes to design codes have resulted in a new estimated cost of $17,000,000. Funding of $8,800,000 has been added to the 2008 forecast to cover the shortfall in required funding.

The expected life of this asset is over 50 years.

Project Name: **Lift Stations Upgrading**

Department: 200752
Project: 2035000106

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 9,194 | 750 | 750 | 750 | 750 | 750 | 750 | 3,750 | 4,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 750 | 750 | 750 | 750 | 750 | 750 | 3,750 | 4,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 750 | 750 | 750 | 750 | 750 | 750 | - | 4,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 750 | 750 | 750 | 750 | 750 | 750 | | 4,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is part of a continuing program for mitigating hydraulic, structural, safety, odour and aesthetic problems as required for the 95 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 Water and Waste Department has determined that the level of funding to maintain the existing lift stations is estimated at $750,000 per year. Due to the cyclical nature of maintenance requirements, the program is assessed on an annual basis and budget requirements may be adjusted in the future according to need.

The expected life of this asset is 50 years.

Project Name: **Inflow / Infiltration / Cross-Connection Study and Mitigation**

Department: 200752
Project: 2041000106

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | | | | | | - | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | | | | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project involves locating and identifying sources of the extraneous flows entering the sewer system, and installing mitigative measures such that basement flooding is minimized during high river levels and emergency discharges are minimized under wet weather conditions. 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 plant expansion. Minimizing extraneous inflows will reduce these additional stresses, prolong equipment life and postpone facility expansion. During high river levels, several areas of the City have been identified where land drainage sewer system cross-connections may exist with the wastewater sewer system. Further, areas where other sources of extraneous flow (such as inflow and infiltration) are suspected, will be investigated.

The expected life of this asset is 50 years.

Project Name: **Sewer System Isolation in Areas Protected by Secondary Dikes**

Department: 200752
Project: 2030000206

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | 500 | 1,000 | 1,000 | - | - | 2,500 | 2,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 500 | 1,000 | 1,000 | | | 2,500 | 2,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 500 | 1,000 | 1,000 | - | - | - | 2,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 500 | 1,000 | 1,000 | | | | 2,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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: **Raw Sewage Pump Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 2031xxxxyy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,600 | - | - | - | - | - | 2,000 | 2,000 | 2,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | | 2,000 | 2,000 | 2,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 2,000 | - | 2,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | | 2,000 | | 2,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The largest raw sewage pumps (700 hp) at the NEWPCC were installed in 1963. Due to obsolescence, repair parts are difficult to obtain and may have to be hand fabricated. Failure of one of these pumps would reduce firm capacity by 22% and could result in raw sewage bypassing treatment. Funding shown will be for the engineering, design, supply and installation of two variable speed motors and pumps.

The expected life of this asset is 25 years.

Project Name: **Dugald Interceptor Sewer Renewal**

Department: 200752
Project: 20370006yy

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,000 | 3,720 | - | - | - | - | - | - | 3,720 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 3,720 | | | | | | - | 3,720 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,720 | - | - | - | - | - | - | 3,720 |
| Financed by: | | | | | | | | |
| Retained Earnings | 3,720 | | | | | | | 3,720 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Recent cleaning and inspection of the 30 year old Dugald Road Interceptor sewer identified extensive deterioration of the inside surface of the concrete pipe. Replacement of the sewer is required to avoid costly emergency repairs.

On April 26, 2006, Council adopted a recommendation and approved the Dugald Sewer Rehabilitation Project to be amended to accommodate additional wastewater flow and construction cost increases. The estimated cost of the recommendation was $3,720,000. This project is funded from Retained Earnings.

The expected life of this asset is at least 100 years.

Project Name: **Surgewell Condition Assessment & Main Pump Hydraulic Rehabilitation - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 20310009yy
Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,900 | - | - | 5,100 | 5,200 | - | - | 10,300 | 10,300 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 5,100 | 5,200 | | | 10,300 | 10,300 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 5,100 | 5,200 | - | - | - | 10,300 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 5,100 | 5,200 | | | | 10,300 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The surgewell and related appurtenances were part of the original plant construction in 1936. Due to age, wear and the corrosive environment, extensive deterioration of this asset is evident. In addition to rehabilitating this facility, consideration will be given to upgrading the on-site interceptors, surgewell and suction header system to improve control of raw sewage inflows and provide redundancy for both the surgewell and discharge chamber. Funding shown will be for engineering, design and construction of a second surgewell and a second discharge chamber with connections to the interceptors and pump suction headers.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

Project Name: **Waverley West Interceptor Sewer**

Department: 200752
Project: 2037000906

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,000 | 1,000 | - | 4,500 | 6,900 | - | - | 11,400 | 12,400 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 1,000 | | 4,500 | 6,900 | | | 11,400 | 12,400 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | - | 4,500 | 6,900 | - | - | - | 12,400 |
| Financed by: | | | | | | | | |
| Retained Earnings | 1,000 | | 4,500 | 6,900 | | | | 12,400 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funds are for engineering design and construction of an extension of the Fort Garry Interceptor from its present terminus at Bishop Grandin Boulevard and the southerly projection of Dovercourt Drive, and through the wastewater sewer system along Killarney Avenue with a new interceptor crossing the Red River to the St. Mary's Interceptor sewer.

The Interceptor sewer extension will provide regional servicing for projected development within the area bounded by Bishop Grandin Boulevard on the north, the Perimeter Highway on the south, Waverley Street on the east and the City Limits on the west.

The total cost for all phases is estimated at $12,400,000 which includes additional funding to account for recent increases in price for large diameter pipes.

The expected life of this asset is over 50 years.

Project Name: **Upgrading External Power Supply - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 2031xxxxyy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | - | 4,000 | - | 4,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | | 4,000 | | 4,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The NEWPCC currently has two independent power supplies which are both capable of supplying the entire NEWPCC power requirement. In the event of a power failure to one supply, the plant will continue to operate on the other supply.

If any additional treatment processes are added to the plant, this fully redundant power supply will be compromised. At this time effluent disinfection will be added to the NEWPCC in 2006 and has been accommodated by its own separate power supply.

Future biological nutrient reduction processes will have relatively high power requirements and will increase the plant power requirement beyond the current capacity of either of the two supplies. In anticipation of centrate and/or nutrient removal at the NEWPCC the existing power supplies must be upgraded.

The life expectancy of this asset is 25 years.

Project Name: **Septage Acceptance Facility - Wastewater Pollution Control Centres**

Department: 200752
Project: 2033xxxxyy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | 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 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 2,000 | - | - | - | 2,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | 2,000 | | | | 2,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The study phase includes the septage acceptance and disposal practices at all three pollution control centres which will identify quantities, operational concerns, costs and recommend future policies for management of septage.

The West End Water Pollution Control Centre (WEWPCC) currently accepts waste from septic haulers at a disposal facility at the Perimeter Pump Station. It has been shown that this waste stream can contribute up to 30% of the biological load to the plant at certain times of the day and may contain unknown waste which is toxic to the treatment process. Consultants have recommended that this practice be stopped. The funding in 2010 will be used to design and construct a new septage acceptance facility at the WEWPCC or one of the other plants which would provide security, monitoring and flow control.

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: **Re-roofing at Water Pollution Control Centres**

Department: 200752
Project: 2030001006

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | - | 400 | - | 400 | - | 400 | 1,200 | 1,200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 400 | | 400 | | 400 | 1,200 | 1,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 400 | - | 400 | - | 400 | - | 1,200 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 400 | | 400 | | 400 | | 1,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Various Water Pollution Control Centre 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. A roofing expert has been retained to develop a long term roof replacement program for all buildings at the Wastewater Treatment Plants. The funding for this ongoing program includes engineering, design and re-roofing construction.

The expected life of this asset is 20 years.

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

Project Name: **GIS Database Restructuring and Data Integrity Upgrades**

Department: 200751
Project: 2040xxxxyy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 150 | 150 | - | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 150 | | | | | | - | 150 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 50 | - | - | - | - | - | 150 |
| Financed by: | | | | | | | | |
| Retained Earnings | 100 | 50 | | | | | | 150 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2005, the Water and Waste Department started an in depth review of the water and sewer Geographical Information System (GIS) database structure. This review will result in the requirement to restructure the various GIS databases, reconfigure the GIS software, perform extensive data clean-up and input new data.

The scope of the project includes the following: 1. Restructure all of the GIS databases tables in Oracle - new features will be added to the data base and redundant features will be removed. The structure of remaining tables will be revised also. This will result in adding and removing tables from the structure as well as revising fields in the remaining tables. Data from other information systems will be amalgamated into the water and sewer GIS database as well. 2. Improve the integrity of the data in GIS - this will result in cleaning up the numerous spelling errors, changing inappropriate data to correct data and filling in blank fields. Field survey work will be required to capture some of the missing data. 3. Input all of the new data into database and revise errors.

Funding for this project will be split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund

Project Name: **Head Tank Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 2031xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | - | - | 500 | - | 500 | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 500 | | 500 | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 500 | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 500 | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The elevated head tank provides cooling water and maintains pressure for the liquid slip regulators for the 6 main pumps, for pump well fresh air supply, and for the pump well cooling units. The slip regulators are critical to plant operations and the fresh air supply is a staff safety issue. The 12' high tank (located about 30' above ground), its appurtenances, and its highly corroded supporting structure are over 75 years old. The tank is coated with asbestos insulation. The tank and appurtenances must be replaced or removed and an alternate technology used to regulate pressure/flow, which will require engineering input.

The life expectancy of this asset is 50 years.

Project Name: **Centrifuge Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 2031xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | - | - | 6,900 | - | 6,900 | 6,900 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | | | 6,900 | | 6,900 | 6,900 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | - | 6,900 | - | - | 6,900 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | | | 6,900 | | | 6,900 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Centrifuge units de-water digested sludge produced as a by-product of wastewater treatment processes. Furthermore, as the sludge produced at the SE and WEWPCC is processed at NEWPCC, these units are critical to the treatment process at these plants as well. There are 6 units that are subject to intense mechanical wear, are 15 years old, and are failing with increasing frequency. For construction, operation and maintenance reasons, these units must be identical to each other, and as such must be purchased simultaneously, or phased over 2 years maximum.

The life expectancy of this asset is 15 years.

Project Name: **Centralized Facilities Renovation / Construction**

Department: 200752
Project: 2001001106

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 200 | | | | | | - | 200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 200 | - | - | - | - | - | - | 200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 200 | | | | | | | 200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water and Waste Department has identified organizational changes that will support the future expanded operations of both water and wastewater operations. The changes include transferring responsibility for local sewer services from the Water Services Division to the Wastewater Services Division. To accommodate the anticipated amalgamation of Local and Regional Sewer staff into one location, and the establishment of mechanical, electrical and civil maintenance capability, a facilities study will have to be undertaken. The recommendations from the study will then be implemented.

Currently the local water and sewer staff are located in the same building. Funding for this project is being split 50/50 with the Sewage Disposal System Fund as the Wastewater Services Division will also be investigating its options for Local and Regional Wastewater Services amalgamation between local and regional staff.

The life expectancy of this asset is 30 years.

Project Name: **Kildare Wastewater Sewer Upgrading**

Department: 200752
Project: 2037xxxxyy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 600 | - | - | - | - | - | - | 600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 600 | | | | | | - | 600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 600 | - | - | - | - | - | - | 600 |
| Financed by: | | | | | | | | |
| Retained Earnings | 600 | | | | | | | 600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Under the terms of Development Agreement AG 42/87 dated May 31,1989, the Developer was required, at no expense to the City, to construct wastewater sewers in Kildare Avenue from Day Street to Wayoata Street to accommodate the ultimate projected flows from their development area. However, on June 23, 2004, at the request of the Developer, Council amended the development agreement whereby, "the City shall reimburse the Developer with interest for 50% of the cost of constructing the above described wastewater sewers in Kildare Avenue subject to approval of capital funding therefore by City Council".

The Developer has indicated that it plans to construct these wastewater sewers in 2006 in order to accommodate the next stage of development. Further, under the terms of the Development Agreement Parameters, interest will be added to the reimbursement amount from the first anniversary date of substantial completion of the works. Therefore, the funds are budgeted in 2007 in order to reimburse the Developer and to avoid any additional interest charges. The expected life of this asset is over 50 years.

Project Name: **St. Boniface Interceptor Extension**

Department: 200752
Project: 2037xxxxyy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | 2,600 | - | - | - | - | - | - | 2,600 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,600 | | | | | | - | 2,600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,600 | - | - | - | - | - | - | 2,600 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,600 | | | | | | | 2,600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funds are for engineering design and construction of an extension of the St. Boniface Interceptor from its present terminus at Bishop Grandin Boulevard and Lagimodiere Boulevard. The interceptor sewer extension would proceed easterly along the future extension of Bishop Grandin Boulevard. This interceptor sewer extension will provide regional servicing for projected development within the area bounded by Bishop Grandin Boulevard on the north, the Perimeter Highway on the south, Lagimodiere Boulevard on the west and the City Limits on the east. This interceptor sewer will be built in phases as required based upon the rate of development.

The expected life of this asset is over 50 years.

Project Name: **River Crossings Monitoring and Rehabilitation**

Department: 200752
Project: 2036000706

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,000 | 2,500 | 2,500 | 1,300 | 1,300 | 1,300 | 1,300 | 7,700 | 10,200 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 2,500 | 2,500 | 1,300 | 1,300 | 1,300 | 1,300 | 7,700 | 10,200 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,500 | 2,500 | 1,300 | 1,300 | 1,300 | 1,300 | - | 10,200 |
| Financed by: | | | | | | | | |
| Retained Earnings | 2,500 | 2,500 | 1,300 | 1,300 | 1,300 | 1,300 | | 10,200 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is for the rehabilitation and/or replacement of force main river crossings and for the installation of continuous leak detection equipment on the existing waterway crossings.

Currently the Department is planning the replacement of two wastewater sewer crossings beneath the Red River: the Hart Force main in North Winnipeg, and the South Drive waste water sewer (WWS) siphon crossing the Red River in Fort Garry.

The Hart Force main is in fragile condition and has experienced leaks in the past and must be replaced prior to a river bank stability project on the West side of The Red River at St. John's park scheduled for the winter of 2007.

The South Drive WWS siphon is in a location prone to river bank instability that must be replaced and installed at a depth to prevent damage due to river bank movements. The spring flood of 2006 resulted in some bank instability causing a failure of the WWS siphon requiring emergency repairs on a temporary basis.

The Department is in the process of completing a risk assessment of all river crossings in order to determine a priorization plan to upgrade and replace any at risk river crossings as required by Environmental 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 License. The Department is currently undertaking a pilot program to evaluate and determine methods to meet this requirement.

Project Name: **Asbestos Containing Materials Operations & Maintenance Program**

Department: 200752
Project: 2030000905

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 245 | 125 | 125 | 125 | 125 | 125 | - | 500 | 625 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 125 | 125 | 125 | 125 | 125 | | 500 | 625 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 125 | 125 | 125 | 125 | 125 | - | - | 625 |
| Financed by: | | | | | | | | |
| Retained Earnings | 125 | 125 | 125 | 125 | 125 | | | 625 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In accordance with the City of Winnipeg Asbestos Code of Practice, the Water and Waste Department is initiating its Asbestos Containing Materials Operating and Maintenance Program. Funding is required for professional services including inspections, database development, labelling, testing, Asbestos Containing Material (ACM) remediation contract services, training, response plan development in the Water Services Division and Wastewater Services Division. Funding for this project will be split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

Project Name: **Digester Area Upgrades - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 2031xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | | - | - | 500 | - | 600 | - | 1,100 | 1,100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 500 | | 600 | | 1,100 | 1,100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 500 | - | 600 | - | - | 1,100 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 500 | | 600 | | | 1,100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Process equipment in the Digester area is over 40 years old and some components are failing with increasing frequency and have reached their useful life. Six digester gas compressor units are used to maintain biogas pressure in the sludge treatment process and to feed hot water boilers which are used for digester process heating and plant wide building heating. The four sludge heat exchanger units are used to maintain the sludge temperature in the digesters and are critical components in the sludge treatment process. The four compressors and the six heat exchangers are identical and for construction, operation and maintenance purposes their replacements must be acquired simultaneously to ensure that the new equipment is identical.

The life expectancy of this asset is 20 years.

Project Name: **Environmental Impact Statement and Public Hearings**

Department: 200752
Project: 2034xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,000 | 100 | 200 | 200 | 580 | - | - | 980 | 1,080 |
| Financed by: | | | | | | | | | |
| Environmental Reserve | | 100 | 200 | 200 | 580 | | | 980 | 1,080 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | 200 | 200 | 580 | - | - | - | 1,080 |
| Financed by: | | | | | | | | |
| Environmental Reserve | 100 | 200 | 200 | 580 | | | | 1,080 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upon completion of the 2003 regulatory hearings of the Clean Environment Commission, it has been recommended and the Province has adopted that a further regulatory review be undertaken in two (2) years and then every three (3) years thereafter.

A complete and comprehensive Environmental Impact Statement (EIS) is to be prepared by the City on its three pollution control centres in preparation for the hearings to be held two (2) years hence. In addition, an Environmental Impact Assessment has been required as a condition of receiving Federal Government funding assistance through Infrastructure Canada.

Budgeted funds are for preparation of the EIS public participation, regulatory liaison and future representation at hearings expected in 2007/2008 and 2010/2011.

Project Name: **Water Pollution Control Centre Reliability Upgrades**

Department: 200752
Project: 20310010yy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 16,900 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 25,000 | 30,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | 13,200 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 25,000 | 30,000 |
| Federal Gas Tax | 3,700 | | | | | | | - | - |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | - | 30,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | | 30,000 |
| Federal Gas Tax | | | | | | | | - |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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.

The expected life of the structure upgrades is 50 years and the expected life of the mechanical components is 25 years.

Project Name: **Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation**

Department: 200752
Project: 20380001yy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 20,228 | - | 7,000 | 8,000 | 9,000 | 9,000 | 10,000 | 43,000 | 43,000 |
| Financed by: | | | | | | | | | |
| Environmental Reserve | 20,228 | | 7,000 | 8,000 | 9,000 | 9,000 | 10,000 | 43,000 | 43,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 7,000 | 8,000 | 9,000 | 9,000 | 10,000 | - | 43,000 |
| Financed by: | | | | | | | | |
| Environmental Reserve | | 7,000 | 8,000 | 9,000 | 9,000 | 10,000 | | 43,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Clean Environment Commission (CEC) has recommended that the City reduce the average number of overflows to 4 per year within a 20 to 25 year timeframe.

Funds budgeted are for additional study and analyses, annual monitoring programs, pilot studies, land acquisition, integration with basement flood relief measures and initiation and implementation of a control program.

In addition, a portion of the funding will be used to assess the requirements and to develop and acquire a supervisory control and data acquisition (SCADA) system for the regional wastewater collection system. The SCADA system will enable efficient and effective provision of service related to wastewater collection and treatment that will be consistent with the water supply and distribution services SCADA system. The technology, which will be applied to remote wastewater pumping stations, flood pumping stations and other critical monitoring points, will enable remote monitoring and control, increase reliability of the service and reduce attendance by work crews.

The expected life of the sewer works is 50 years and the expected life of the SCADA system is 10 years.

Project Name: **Centrate Nutrient Reduction Treatment - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 20310011yy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 31,350 | 2,720 | - | - | - | - | - | - | 2,720 |
| Financed by: | | | | | | | | | |
| Canada Strategic Infrastructure Fund - Federal | 13,778 | | | | | | | - | - |
| External Debt | 14,390 | | | | | | | - | - |
| Prior Years' Authorized External Debt | (14,390) | | | | | | | - | - |
| Transfer to General Capital Fund | | (3,217) | | | | | | - | (3,217) |
| Transfer from other authorized projects | 5,404 | | | | | | | - | - |
| Environmental Reserve | 12,168 | 5,937 | | | | | | - | 5,937 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 2,720 | - | - | - | - | - | - | 2,720 |
| Financed by: | | | | | | | | |
| Canada Strategic Infrastructure Fund - Federal | | | | | | | | - |
| Prior Years' Authorized External Debt | | | | | | | | - |
| Transfer to General Capital Fund | (3,217) | | | | | | | (3,217) |
| Transfer from other authorized projects | | | | | | | | - |
| Environmental Reserve | 5,937 | | | | | | | 5,937 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes design and construction of a relatively small activated sludge system operating independently of the existing mainstream high purity oxygen (HPO) wastewater treatment process. The purpose of this system is to reduce nitrogen and phosphorous concentrations in the centrate sidestream. Centrate is removed from biosolids from all three water pollution control centres (WPCCs) during the dewatering process. The centrate contains concentrated amounts of nitrogen and phosphorous. Current practice is to return the centrate directly back into the mainstream treatment process at the North End Water Pollution Control Centre (NEWPCC).

The expected life of this asset is 40 years.

Project Name: **Biosolids - Alternative Disposal Delivery & Management System**

Department: 200752
Project: 20310004yy

Capital Priority Rating: 5 - 3
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,230 | 383 | 117 | 7,000 | 20,000 | 9,000 | 25,000 | 61,117 | 61,500 |
| Financed by: | | | | | | | | | |
| Environmental Reserve | 1,230 | 383 | 117 | 3,300 | 3,400 | 9,000 | 11,700 | 27,517 | 27,900 |
| External Debt | | | | 3,700 | 16,600 | | 13,300 | 33,600 | 33,600 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 383 | 117 | 7,000 | 20,000 | 9,000 | 25,000 | - | 61,500 |
| Financed by: | | | | | | | | |
| Environmental Reserve | 383 | 117 | 3,300 | 3,400 | 9,000 | 11,700 | | 27,900 |
| External Debt | | | 3,700 | 16,600 | | 13,300 | | 33,600 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg is seeking to amend its current sludge disposal licence to allow for repeat application of sludge after a certain period of time and to obtain continual approval for current application rates and winter spreading. If the Province changes its regulations to limit sludge application rates to agronomic rates and prohibits winter spreading, the City will have to study and implement alternate sludge management and disposal methods. The current WINGRO management program will need to be modified in order to be sustainable and as such will require significant capital investment and transition time to effectively implement the required changes. Funds included are for engineering study and design and construction of alternatives to current sludge management and disposal methods.

The expected life of the facility is 50 years and the expected life of the mechanical components is 25 years.

Project Name: **Effluent Disinfection and Nutrient Removal - West End Water Pollution Control Centre (WEWPCC)**

Department: 200752
Project: 2033xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 32,235 | 3,038 | - | - | - | - | - | - | 3,038 |
| Financed by: | | | | | | | | | |
| Canada Strategic Infrastructure Fund - Federal | 14,187 | | | | | | | - | - |
| Transfer to General Capital Fund | (9,568) | | | | | | | - | - |
| Transfer from other authorized projects | 6,015 | | | | | | | - | - |
| Environmental Reserve | 21,601 | | | | | | | - | - |
| External Debt | | 3,038 | | | | | | - | 3,038 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 3,038 | - | - | - | - | - | - | 3,038 |
| Financed by: | | | | | | | | |
| Canada Strategic Infrastructure Fund - Federal | | | | | | | | - |
| Transfer to General Capital Fund | | | | | | | | - |
| Transfer from other authorized projects | | | | | | | | - |
| Environmental Reserve | | | | | | | | - |
| External Debt | 3,038 | | | | | | | 3,038 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 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 and the associated undesirable blooms of blue-green algae.

The upgrade requirements for ammonia and/or nutrient reduction at the wastewater treatment plants must be considered jointly. The most cost effective method to address both issues is Biological Nutrient Removal (BNR) of N and P. The implementation of BNR will require a major plant expansion and nearly double the size of the current facility. Best practicable performance of BNR is anticipated to achieve a final effluent with total P and N concentrations of about 1 mg/L and 10 mg/L, respectively. The timing for the project is to enable construction completion to meet the short term nutrient reduction goals as established by the Province.

The required funding is the consultant's latest estimate and is based on meeting expected effluent limits on an annual basis. These limits will be contained in a future Environment Act License.

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

Department: 200752
Project: 2032xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,250 | 12,000 | 50,000 | 73,000 | 64,000 | - | - | 187,000 | 199,000 |
| Financed by: | | | | | | | | | |
| Retained Earnings | 4,250 | 3,800 | 22,800 | | | | | 22,800 | 26,600 |
| Canada Strategic Infrastructure Fund - Federal | | | | 6,000 | 8,035 | | | 14,035 | 14,035 |
| Canada Strategic Infrastructure Fund - Provincial | | | | 14,608 | 10,392 | | | 25,000 | 25,000 |
| External Debt | | 600 | 26,817 | 46,525 | 48,865 | | | 122,207 | 122,807 |
| Prior Years' Authorized External Debt | | 7,600 | 923 | 5,867 | | | | 6,790 | 14,390 |
| Transfer to General Capital Fund | | | (923) | | (3,292) | | | (4,215) | (4,215) |
| Environmental Reserve | | | 383 | | | | | 383 | 383 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 12,000 | 50,000 | 54,879 | 53,586 | 13,160 | 15,375 | - | 199,000 |
| Financed by: | | | | | | | | |
| Retained Earnings | 3,800 | 22,800 | | | | | | 26,600 |
| Canada Strategic Infrastructure Fund - Federal | | | | 6,000 | 8,035 | | | 14,035 |
| Canada Strategic Infrastructure Fund - Provincial | | | 2,487 | 2,013 | 5,125 | 15,375 | | 25,000 |
| External Debt | 600 | 26,817 | 46,525 | 48,865 | | | | 122,807 |
| Prior Years' Authorized External Debt | 7,600 | 923 | 5,867 | | | | | 14,390 |
| Transfer to General Capital Fund | | (923) | | (3,292) | | | | (4,215) |
| Environmental Reserve | | 383 | | | | | | 383 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes the Amalgamation of the High River Level (Flood) Protection - SEWPCC, Capacity Study/Preliminary Engineering - SEWPCC and Nutrient Removal - SEWPCC projects into one overall comprehensive program for the expansion and upgrading of the SEWPCC.

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 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 and the associated undesirable blooms of blue-green algae.

The population serviced by SEWPCC is rapidly growing and will necessitate a major expansion of the SEWPCC plant within 5 years to maintain the current level of secondary treatment and effluent quality. Upgrade requirements for conventional plant expansion in response to increased population, nutrient reduction at the wastewater treatment plants must be considered jointly for process design reasons and costs. The most cost effective method to address both environmental issues is Biological Nutrient Removal (BNR) of N and P. The implementation of BNR will require a major plant expansion and double the size of the current facility. Best practicable performance of BNR is anticipated to achieve a final effluent with total P and N concentrations of about 1 mg/L and 15 mg/L, respectively.

Funds have been included to enable completion of the plant expansion by 2012 as required by the Environment Act license.

The funding for this project has been increased to reflect an escalation in construction costs and Environmental License requirements. The current funding requirement is based on very preliminary engineering and are subject to a great deal of uncertainty. These funding requirements will be updated as engineering progresses.

The expected life is: structures = 50 years, electrical / mechanical components = 25 years and computer related systems = 10 years.

Project Name: **Nutrient Removal - North End Water Pollution Control Centre (NEWPCC)**

Department: 200752
Project: 2031xxxxyy

Capital Priority Rating: 5 - 4
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Provide Wastewater Management (3D-06)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | 4,000 | 10,000 | 21,000 | - | 150,000 | 150,000 | 331,000 | 335,000 |
| Financed by: | | | | | | | | | |
| Environmental Reserve | 500 | | | | | | | - | - |
| External Debt | | 4,000 | 10,000 | 21,000 | | 150,000 | 150,000 | 331,000 | 335,000 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 4,000 | 10,000 | 11,000 | 10,000 | 150,000 | 150,000 | - | 335,000 |
| Financed by: | | | | | | | | |
| Environmental Reserve | | | | | | | | - |
| External Debt | 4,000 | 10,000 | 11,000 | 10,000 | 150,000 | 150,000 | | 335,000 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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 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 and the associated undesirable blooms of blue-green algae.

The upgrade requirements for ammonia and/or nutrient reduction at the wastewater treatment plants must be considered jointly. The most cost effective method to address both issues is Biological Nutrient Removal (BNR) of N and P. The implementation of BNR will require a major plant expansion and double the size of the current facility. Best practicable performance of BNR is anticipated to achieve a final effluent with total P and N concentrations of about 1 mg/L and 15 mg/L, respectively. 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 required funding is based on meeting expected effluent limits on a rolling 30 day average basis. These limits are contained in an Environment Act License issued for this facility. Funding is being requested to allow for completion of the plant expansion by 2014. Additional funds are required and will be identified in succeeding years capital budgets.

The funding for this project has been increased to reflect an escalation in construction costs and Environmental License requirements. The current funding requirement is based on very preliminary engineering and are subject to a great deal of uncertainty. These funding requirements will be updated as engineering progresses.

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: **Sewer Renewal**

Department: 200752
Project: 2039xxxxyy

Capital Priority Rating: 5 - 2
Plan Winnipeg Indicator: Planned Development, Transportation, and Infrastructure - Commit Foremost to the Maintenance and Renewal of Existing Infrastructure (3D-01)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | N/A * | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 60,400 | 72,480 |
| Financed by: | | | | | | | | | |
| Sewer System Rehabilitation Reserve | | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 60,400 | 72,480 |
| Federal Gas Tax | 12,080 | | | | | | | - | - |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | - | 72,480 |
| Financed by: | | | | | | | | |
| Sewer System Rehabilitation Reserve | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | 12,080 | | 72,480 |
| Federal Gas Tax | | | | | | | | - |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is a continuing program to replace and/or rehabilitate sewer infrastructure. Funds will be utilized to rehabilitate or replace both combined and separate wastewater 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. The expected remaining life of each rehabilitated sewer ranges from 20 to 100 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: **Brady Landfill Staff Building**

Department: 200753
Project: 2062xxxxyy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Environment, Image and Amenities - Provide Solid Waste Management (5A-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 825 | - | - | - | 825 | 825 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 825 | | | | 825 | 825 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 825 | - | - | - | - | 825 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 825 | | | | | 825 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Brady Road Landfill currently utilizes a modified 25 year old construction trailer as its site office, lunchroom and training area. A much older former scale building has been converted for use as a washroom, locker room and mechanical shop. Given the age and condition of these buildings and the remaining site life for Brady of 100-150 years, a new staff building is warranted. The cost identified includes a new staff building complete with offices, washrooms, a locker room, training/meeting/visitor reception room and mechanical shop.

The expected life of this facility is 30 years.

Project Name: **Brady Landfill - New Scales / Entranceway**

Department: 200753
Project: 20620001yy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Environment, Image and Amenities - Provide Solid Waste Management (5A-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 1,500 | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | 500 | | | | | | - | 500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 500 | - | - | - | - | - | - | 500 |
| Financed by: | | | | | | | | |
| Retained Earnings | 500 | | | | | | | 500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The age of the existing scale at this site is 15-20 years. The scale maintenance costs are increasing and down times are more frequent. During down times, vehicles are not being weighed and this may represent a loss in revenue as well as the ability to accurately track quantities. The design of the existing scale limits the ability to weigh larger vehicles and the scale pit is subject to problems during freezing weather. The existing entranceway has limited queuing capacity leading to customer delays, traffic safety issues and blockage of local vehicle traffic. An engineering study into this matter was carried out in 2003-04. The cost identified includes the capital cost of designing and constructing new scales/entranceway.

The expected life of this facility is 30 years.

Project Name: **Landfill Cell Excavation**

Department: 200753
Project: 2062xxxxyy

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Environment, Image and Amenities - Provide Solid Waste Management (5A-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 1,700 | - | - | - | - | 1,700 | 1,700 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 1,700 | | | | | 1,700 | 1,700 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 1,700 | - | - | - | - | - | 1,700 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 1,700 | | | | | | 1,700 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The remaining capacity at the Brady Road Landfill is approximately 100-150 years. The landfill operation expands laterally by first excavating a below ground cell, and installing a leachate (landfill liquids) collection system at the base of the excavation. Filling with refuse then progresses within the cell in layers until the desired height above ground has been achieved, at which time the next cell is constructed. The excavated material is valuable for covering successive layers of refuse. Cell excavations will be required in 2008 and after 2012. The cost identified includes the cost of excavating and stockpiling excavated soil, and installation of a leachate collection system including associated engineering.

The expected life of this facility is 50 years.

Project Name: **Summit Landfill Closure / Post-Closure**

Department: 200753
Project: 2060xxxxyy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Environment, Image and Amenities - Provide Solid Waste Management (5A-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 800 | - | 300 | 300 | 300 | 300 | 300 | 1,500 | 1,500 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 300 | 300 | 300 | 300 | 300 | 1,500 | 1,500 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 300 | 300 | 300 | 300 | 300 | - | 1,500 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 300 | 300 | 300 | 300 | 300 | | 1,500 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

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. The additional cover and grading/drainage control will restrict infiltration of precipitation into the site thereby 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 and signage including associated engineering.

The expected life of this facility is 50 years.

Project Name: **Miscellaneous Land Acquisition**

Department: 200753
Project: 2061xxxxyy

Capital Priority Rating: 3 - 2
Plan Winnipeg Indicator: Environment, Image and Amenities - Provide Solid Waste Management (5A-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | 100 | - | 100 | - | - | - | - | 100 | 100 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | 100 | | | | | 100 | 100 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | 100 | - | - | - | - | - | 100 |
| Financed by: | | | | | | | | |
| Retained Earnings | | 100 | | | | | | 100 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

With the 34 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 long term control, use or rehabilitation of a site. The cost identified includes the cost of acquiring land with associated administration costs.

Project Name: **Leachate Treatment Plant**

Department: 200753
Project: 2060xxxxyy

Capital Priority Rating: 3 - 3
Plan Winnipeg Indicator: Environment, Image and Amenities - Provide Solid Waste Management (5A-02)

| AUTHORIZATION | Previous Budgets | 2007 Estimate | FORECAST 2008 | 2009 | 2010 | 2011 | 2012 | Five-Year Forecast Total | Six-Year Total |
|---|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | - | 320 | 6,300 | - | - | 6,620 | 6,620 |
| Financed by: | | | | | | | | | |
| Retained Earnings | | | | 320 | 2,655 | | | 2,975 | 2,975 |
| External Debt | | | | | 3,645 | | | 3,645 | 3,645 |

| CASH FLOW | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | Beyond 2012 | Total |
|---|---|---|---|---|---|---|---|---|
| Project Costs ($000's) | - | - | 320 | 6,300 | - | - | - | 6,620 |
| Financed by: | | | | | | | | |
| Retained Earnings | | | 320 | 2,655 | | | | 2,975 |
| External Debt | | | | 3,645 | | | | 3,645 |

| NET OPERATING IMPACT | 2007 | 2008 | 2009 |
|---|---|---|---|
| Revenue increase/(decrease) | | | |
| Less: | | | |
| Operating expenditures increase/(decrease) | | | |
| Debt and finance charges increase | | | |
| **SURPLUS/(DEFICIT)** | - | - | - |

***Note:*** *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Leachate (the liquid that accumulates within a landfill) is currently extracted from the Brady Road Landfill site and three closed landfills and hauled to the North End Water Pollution Control Centre for treatment. As the result of recommendations by the Clean Environment Commission in 2003 regarding the City's wastewater system, Manitoba Environment will be examining eliminating disposal of leachate at the City's water pollution control centres. In anticipation of the need for alternatives for leachate treatment, an engineering study into this matter was carried out in 2003-2004. The cost identified includes the capital cost of designing and constructing a leachate treatment plant.

The expected life of this facility is 30 years.