



# 2008 Adopted Capital Budget

2009 to 2013  
Five Year Forecast  
Adopted by Council - December 18, 2007





**City of Winnipeg**

**2008**  
**Capital Budget**

**and**

**2009 to 2013**  
**Five Year Forecast**

**Adopted by Council on December 18, 2007**

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The City of Winnipeg

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# Overview

2008

Capital Budget

and

2009 to 2013

Five Year Forecast

Adopted by Council December 18, 2007



# Adopted 2008 Capital Budget and 2009 to 2013



## Five Year Capital Forecast

December 18, 2007



# BALANCING...

**Infrastructure deficit/  
Protecting the  
environment**

**Affordability**



# HIGHLIGHTS

- **Capital investment plan:**
  - **\$2.1 billion over the next 6 years**
  - **\$421.1 million in 2008**
  - **Focus on investment in roads and bridges, sewer systems, public safety infrastructure, and community recreation and park amenities**
- **Public Private Partnership opportunities**
- **Government partnerships**
- **Cash to Capital \$61.1 million in 2008 and growing annually**

# AREAS OF MAJOR CAPITAL INVESTMENT

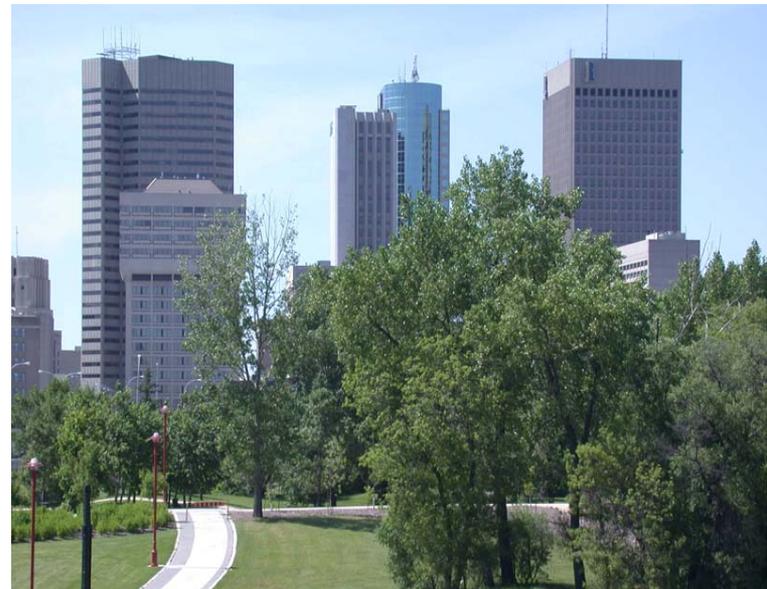
The six year plan includes:

- **\$888 million for sewage disposal projects**
- **\$535 million for roads and bridges**
- **\$112 million for the water system**
- **\$150 million for the transit system**
- **\$79 million for land drainage and flood control**
- **\$78 million for public safety and infrastructure**
- **\$20 million to complete the implementation of the recreation and leisure facilities initiative**

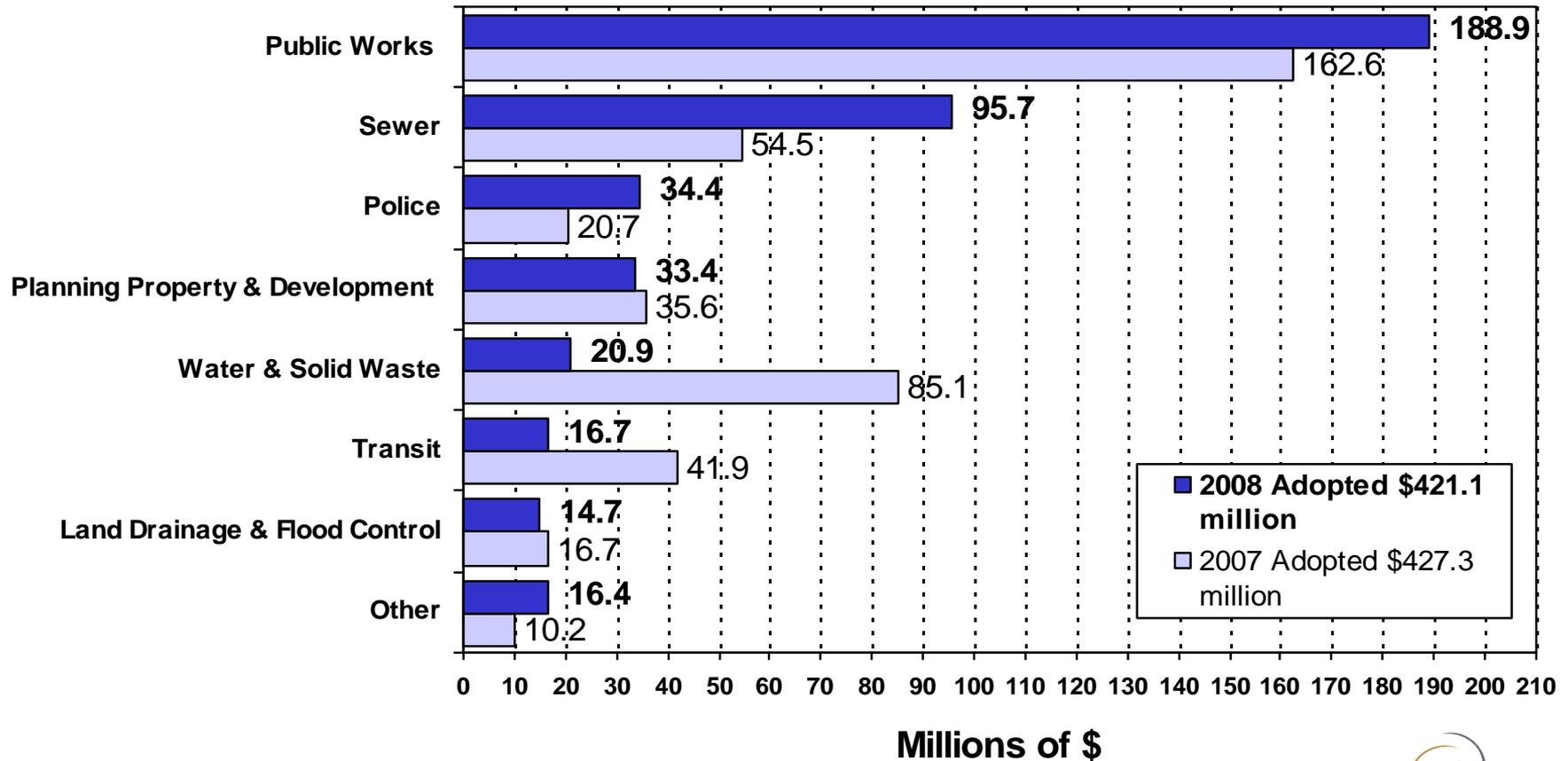


# PROTECTING OUR ENVIRONMENT

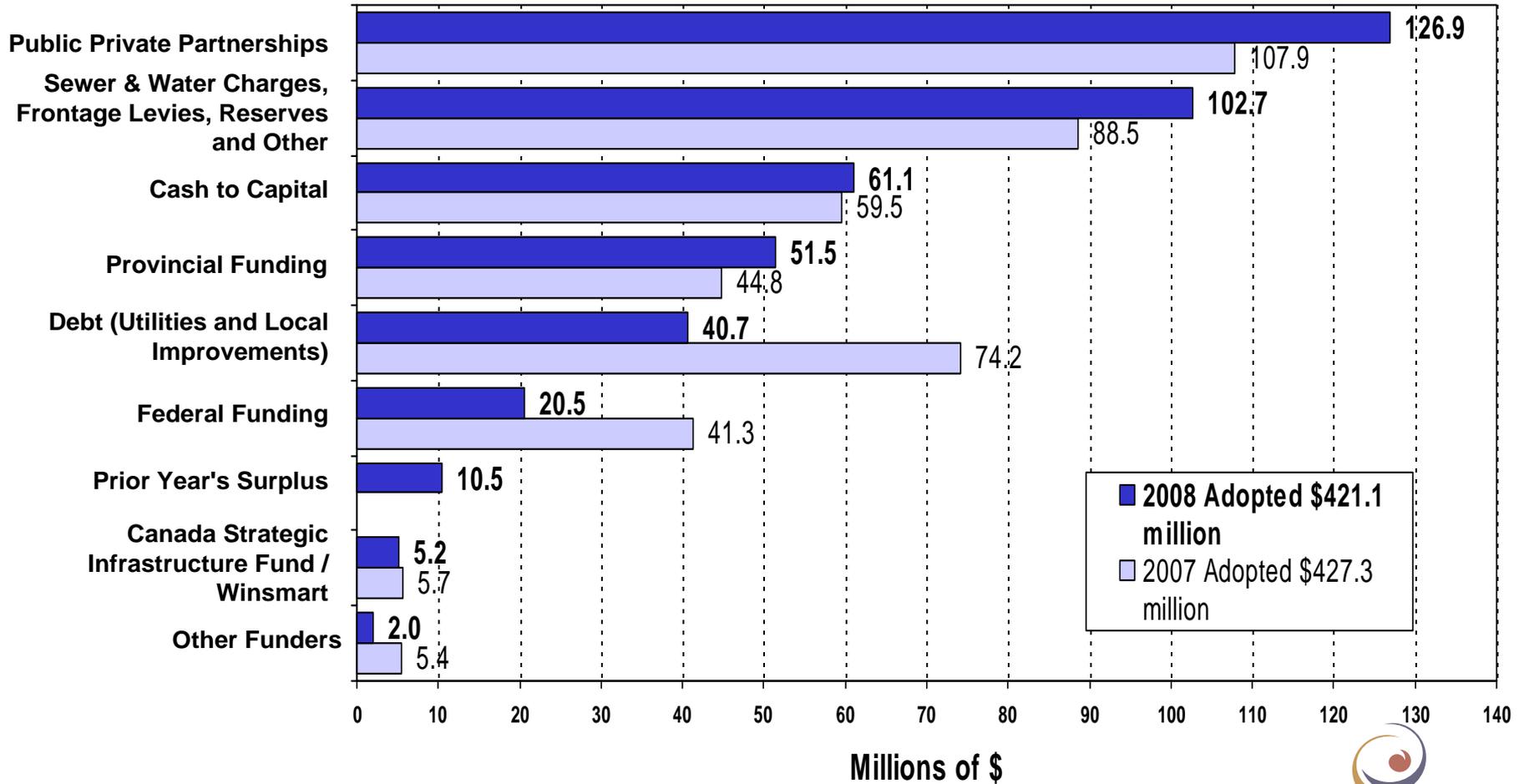
- **Upgrades for wastewater collection and treatment**
- **Combined sewer overflow management**
- **Land drainage and flood protection**
- **Transit improvements**
- **Recreational walkways and bike paths**
- **Reforestation**



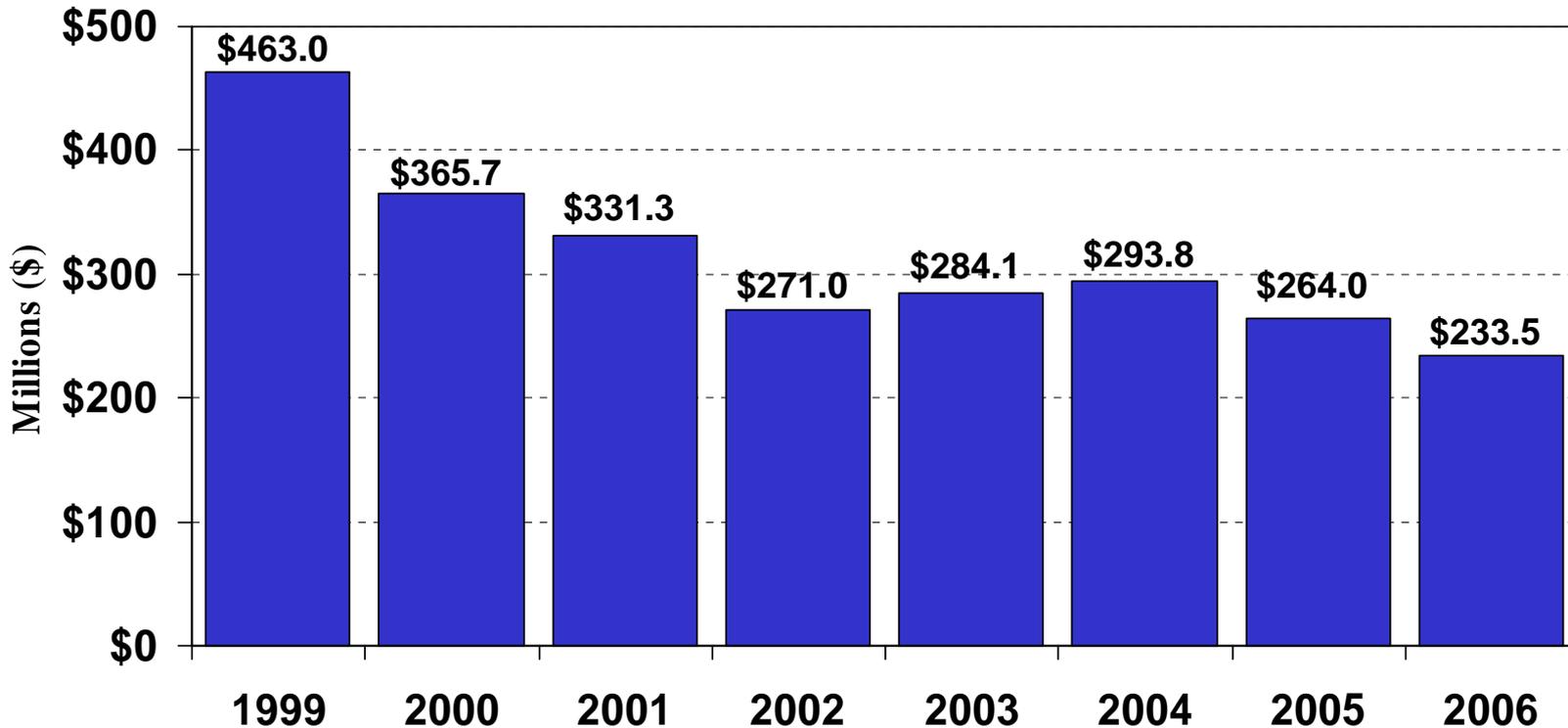
# CAPITAL PROJECTS (Authorizations)



# CAPITAL FINANCING

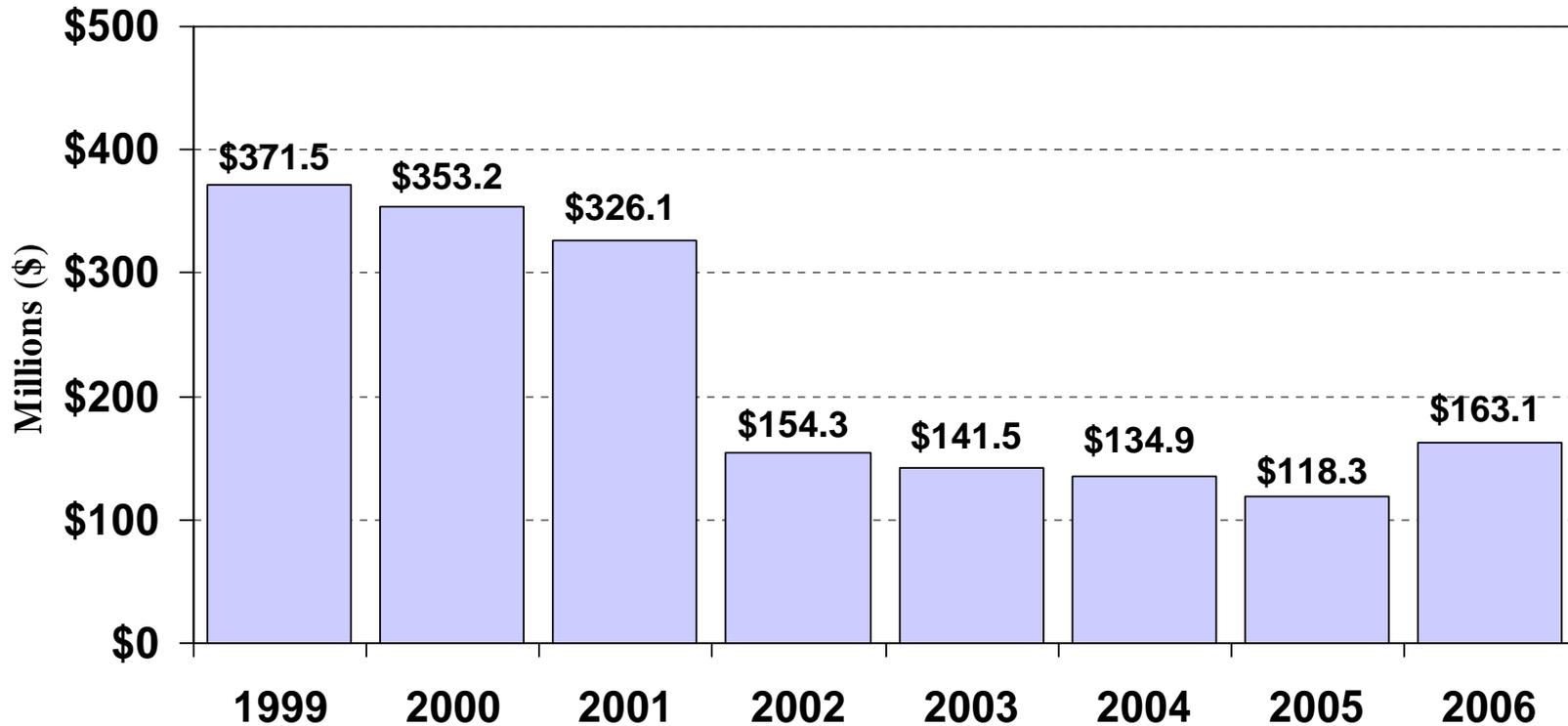


# TAX SUPPORTED NET DEBENTURE DEBT



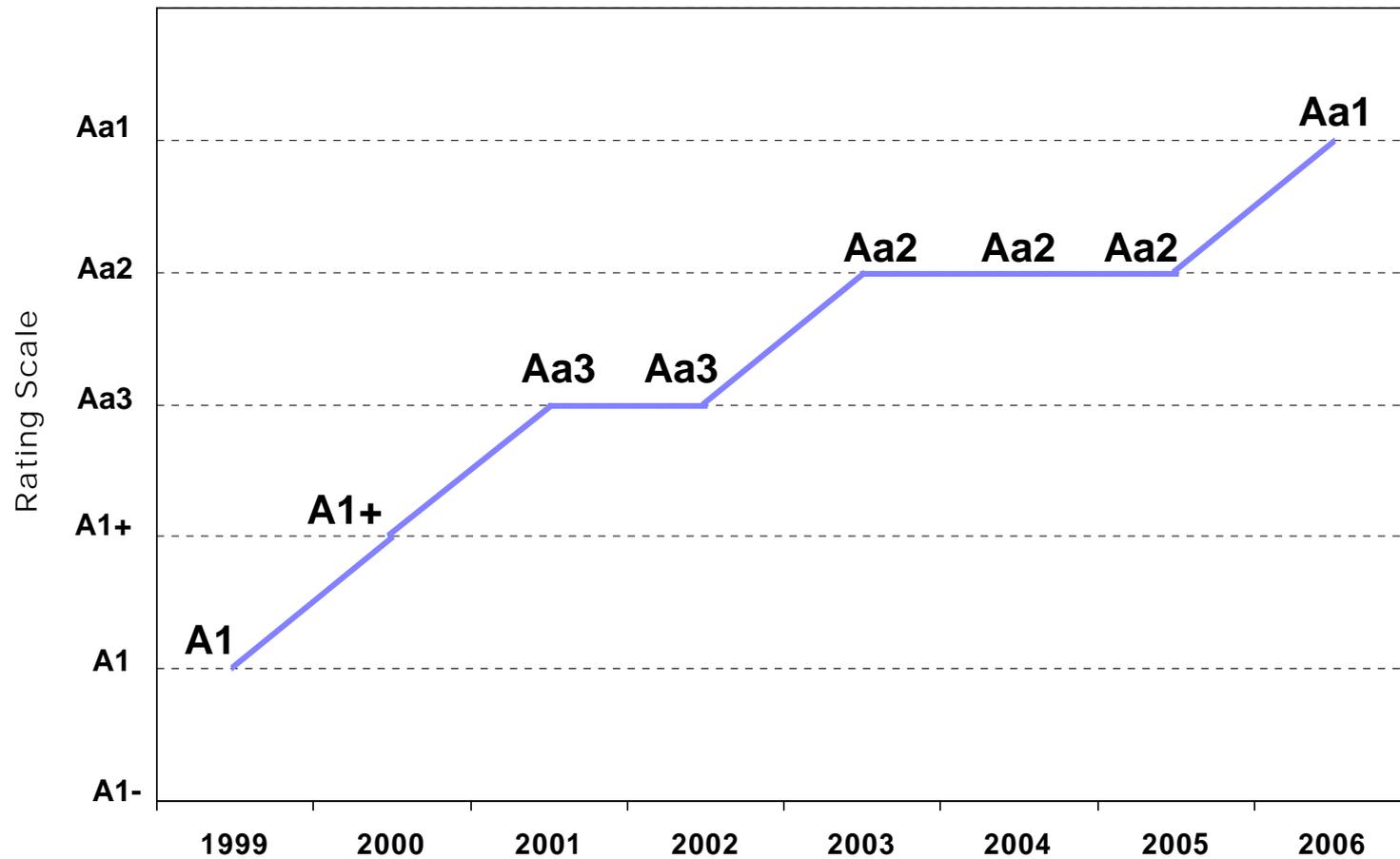
**Notes:** Tax supported net debenture debt decreased by 49.6% from 1999 to 2006.

# UTILITY NET DEBENTURE DEBT



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

# CREDIT RATING



Source Moody's Investors Service

## Council Adoption of the 2008 Capital Budget

On December 18, 2007 Council adopted the following recommendations:

1. A. That the 2008 Capital Budget totalling \$421,499,000.00, requiring borrowing authority totalling \$40,688,000.00 for the Sewer System and Local Improvements, as tabled at the Executive Policy Committee meeting on November 22, 2007, and amended by Recommendation No. 2, be approved.
- B. That the 2009 to 2013 Five Year Capital Forecast, as tabled at the Executive Policy Committee meeting on November 22, 2007, and amended by Recommendation No. 2, be approved.
2. That the following changes be made to the 2008 Capital Budget and the 2009 to 2013 Five Year Capital Forecast tabled at the Executive Policy Committee meeting on November 22, 2007:
  - A. That the funds provided in the Land Acquisition – Riverbank Account be transferred to the Riverbank Greenway Programs (formerly Pathways) to allow flexibility in utilization of the funds for other projects, on the understanding that there are alternative methods of funding the acquisition of riverbank properties including from the Land Acquisition for General Unspecified Purposes account.
  - B. That funding for the City-Wide Accessibility Program be increased by \$100,000.00 (from \$250,000.00 to \$350,000.00) for 2008, sourced from the 2008 Local Street Renewals (Various Locations) and that the \$100,000 funding increase for future years be referred to the 2009 Capital Budget Process.

That funding in the amount of \$500,000.00 be added for Active Transportation Corridors, with expenditures subject to Council approval of priorities after the active transportation plan is developed in early 2008, sourced by \$250,000.00 from the 2008 Lane Renewals (Various Locations) and the 2008 Granular Roadway Improvements, and that the funding for future years be referred to the 2009 Capital Budget Process.
3. That, in recognition of the recent extension of the Federal Gas Tax Funding, lease payments on tax supported public private partnerships be funded annually up to a maximum of 30% of the cash to capital contribution in the Operating Budget and the Federal Gas Tax.
4. That the Public Service pursue the Private Public Partnership opportunities as presented in the Capital Budget/Forecast and undertake appropriate due diligence to make recommendation on this approach to Council for each project.

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

Year	\$ Millions
2008	61.478
2009	63.478
2010	65.478
2011	67.478
2012	69.478
2013	71.478

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. That the City work with the Province to finalize the necessary agreement(s) for the extension of the Federal Gas Tax Funding beyond 2009.
8. That \$10.5 million in prior years' tax supported capital surplus identified in the recent capital review be transferred to fund such 2008 tax supported capital projects in the 2008 Capital Budget as the Chief Financial Officer may approve.
9. That all other transfers from utility operations, reserves and other funds outlined in the Capital Budget be approved, with cash flows to be determined by the Chief Financial Officer.
10. That the City request that the Province of Manitoba and the Government of Canada enter into a new multi-year cost-sharing agreement to fund sewer and wastewater treatment projects resulting from the Clean Environment Commission recommendations of August 2003, in compliance with the Clean Environment Commission's Recommendation 15 of their Report, which states that:

"...the estimated costs to upgrade Winnipeg's wastewater collection and treatment systems to achieve a better level of treatment and thereby improve water quality constitute a significant cost burden to a municipal level of government. Municipal governments have many competing priorities for funding and do not have access to the growth revenues of provincial and federal governments...

The commission believes that the senior levels of government should assist with the cost of achieving improved nutrient management and other water quality enhancement measures. Ideally, the funding formula of one-third municipal, one-third provincial and one-third federal should be used."

*(Manitoba Clean Environment Commission, Better Treatment: Taking Action to Improve Water Quality, August, 2003, Recommendation 15, Page 60)*

11. That the Chief Financial Officer, in conjunction with the Director of Water and Waste, be delegated the authority to redistribute capital financing sources (reserve, retained earnings, other government funding) for the Water Treatment Plant and environmental projects, prior to utilizing debt financing in order to ensure the most effective timing and use of funding. The total debt authorizations and approved funding levels are not to be exceeded.
12. That the Chief Financial Officer be given the authority to redistribute federal gas tax revenue, cash to capital, and other financing sources as sources of financing for approved capital projects, provided the total approved financing is not exceeded, to ensure the most effective use of federal gas tax revenues and any other financing sources.
13. That the fund manager of the Federal Gas Tax Revenue Reserve be changed to the Director of Public Works effective January 1, 2008.
14. That Council's policy be amended with respect to back lanes and granular surface roadways to the extent necessary to accomplish the priority renewal and rehabilitation programs as outlined in this budget for 2008; and, that Council undertake to review local improvement policies and requirements relating to roads, back lanes and similar infrastructure needs before year end 2008 and consider proposals for potential reform.
15. That budgeted expenditures for the Public Safety Building Recladding project, related "decanting" projects, and the Identification Unit - Forensic Services project be subject to review by the Chief Financial Officer to examine alternatives including (but not limited to) recladding strategies, and/or the construction of a new facility financed partly by offsetting reductions in space leased by the Police Service, and cancellations of related decanting projects.
16. That, before March 31, 2008, the Acting Chief Administrative Officer report to the Standing Policy Committee on Finance on:
  - A. The use of alternative forms of financing for city infrastructure, including tax increment financing, where this would generate a specific and significant tax benefit to the City as a direct result of completing the financed project(s); and
  - B. An appropriate process by which such projects could be introduced as an amendment to the 2008 Capital Budget, and/or included in future budgets.
17. That the City Solicitor/Manager of legal Services be requested to submit the necessary borrowing by-law directly to Council.
18. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing, including the execution of any documents related thereto.

Subsequently, on March 26<sup>th</sup>, 2008, the 2008 Operating Budget was adopted, including the following recommendation, which reduced the previously adopted 2008 capital program and the internal financing requirement:

*That the \$500,000.00 for Public Art previously approved in the 2008 Adopted Capital Budget be reduced to \$100,000.00 on a one-time basis to reduce debt and finance charges in the tax-supported operating budget.*

The Adopted 2008 Capital Budget has been amended to reflect this decision.



**The City of Winnipeg**

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## **CAPITAL PROJECTS SUMMARY**

**2008**

**Capital Budget**

**and**

**2009 to 2013**

**Five Year Forecast**

**Adopted by Council December 18, 2007**

**Note:**

1. Capital budget amounts are estimates only and are subject to materials management policy (e.g. tenders, bids, and contract awards including Public Private Partnership proposals).
2. In the attached Capital Projects Listing, tax supported capital projects are financed by cash to capital unless another funding source is disclosed for the project. In addition, the Manitoba Winnipeg Infrastructure Program, Provincial funding for streets, and Prior Years' Surplus financing amounts are not all allocated to individual capital projects. These financing amounts will offset cash to capital requirements.
3. On March 26<sup>th</sup>, 2008, the 2008 Operating Budget was adopted, including the following recommendation, which reduced the previously adopted 2008 capital program and the internal financing requirement, specifically:  
*"That the \$500,000.00 for Public Art previously approved in the 2008 Adopted Capital Budget be reduced to \$100,000.00 on a one-time basis to reduce debt and finance charges in the tax-supported operating budget."*

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ADOPTED BY COUNCIL DECEMBER 18, 2007							
CAPITAL PROJECTS SUMMARY (in Thousands of \$)	2008 Budget	FORECAST					2008-2013 6 YEAR TOTAL BUDGET
		2009	2010	2011	2012	2013	
<b>SUMMARY OF CAPITAL PROGRAM</b>							
<b>TAX-SUPPORTED</b>							
Public Works	185,066	97,423	69,118	68,813	72,655	69,820	562,895
Local Improvements	3,794	1,600	1,600	1,600	1,600	1,600	11,794
Land Drainage and Flood Control	14,695	12,500	11,850	13,525	12,940	13,550	79,060
Community Services & Community Incentive Grants	3,671	8,359	7,188	3,758	8,638	8,919	40,533
Winnipeg Police Service	34,353	3,815	10,174	7,693	7,934	8,220	72,189
Fire Paramedic Service	1,792		2,600		840	850	6,082
Planning, Property and Development (excluding Civic Accommodations and Building Services)	5,628	5,899	5,385	5,403	5,651	5,481	33,447
City Clerks	150	1,850	900	700	700	700	5,000
Internal Services	1,518	1,139	2,419	3,619	2,473	2,153	13,321
Property Assessment		500	1,000	500			2,000
Other Projects	9,274		6,138	6,138	6,138	6,138	33,826
<b>Tax-Supported General</b>	<b>259,941</b>	<b>133,085</b>	<b>118,372</b>	<b>111,749</b>	<b>119,569</b>	<b>117,431</b>	<b>860,147</b>
Civic Accommodations	5,806	7,167	5,700	1,900	3,224	4,650	28,447
Building Services	21,990	6,700	4,675	4,575	4,655	4,655	47,250
Transit	16,715	24,962	24,771	25,879	27,036	30,491	149,854
<b>Total Tax-Supported Including Transit, Civic Accommodations, and Building Services</b>	<b>304,452</b>	<b>171,914</b>	<b>153,518</b>	<b>144,103</b>	<b>154,484</b>	<b>157,227</b>	<b>1,085,698</b>
<b>UTILITIES</b>							
Waterworks System	20,545	19,150	16,525	19,625	22,000	14,150	111,995
Sewage Disposal System	95,700	143,365	121,275	198,325	208,200	120,950	887,815
Solid Waste Disposal System	402	3,700	300	300	300	150	5,152
<b>Total Utilities</b>	<b>116,647</b>	<b>166,215</b>	<b>138,100</b>	<b>218,250</b>	<b>230,500</b>	<b>135,250</b>	<b>1,004,962</b>
<b>TOTAL CAPITAL PROGRAM</b>	<b>421,099</b>	<b>338,129</b>	<b>291,618</b>	<b>362,353</b>	<b>384,984</b>	<b>292,477</b>	<b>2,090,660</b>

ADOPTED BY COUNCIL DECEMBER 18, 2007							
CAPITAL PROJECTS SUMMARY (in Thousands of \$)	2008 Budget	FORECAST					2008-2013 6 YEAR TOTAL BUDGET
		2009	2010	2011	2012	2013	
<b>SUMMARY OF FINANCING SOURCES</b>							
Cash to Capital (Equity in Capital Assets Fund)	61,078	63,478	65,478	67,478	69,478	71,478	398,468
Public Private Partnership Lease Payments	(1,838)	(2,559)	(18,302)	(23,940)	(24,998)	(25,051)	(96,688)
Frontage Levy	27,100	27,100	27,100	27,100	27,100	27,100	162,600
Reserves:							
- Transit Bus Replacement	6,098	8,420	9,797	11,135	12,445	12,745	60,640
- Environmental	7,727	11,536	12,356	20,150	21,651	21,643	95,063
- Land Operating	973						973
- General Purpose - payment from / (repayment to)	2,482	(12)	(250)	(9,000)			(6,780)
Interim Financing (Repayment)	8,077	(1,658)	(7,164)				(745)
Contributions from Other Levels of Government:							
- Canada Strategic Infrastructure Fund	5,125	24,246	21,539				50,910
- Federal Gas Tax	20,514	41,029	41,029	41,029	41,029	41,029	225,659
- Wintsmart - Urban Transportation Showcase	62						62
- Manitoba Winnipeg Infrastructure Program (unallocated)	11,666	11,666	11,666	11,666	11,670	11,666	70,000
- Building Manitoba Fund	10,840	10,840	10,840	10,840	10,840	10,840	65,040
- Provincial Funding for Streets (unallocated)	29,000	25,000	25,000	25,000	25,000	25,000	154,000
Other Funders:							
- Developers	1,069	1,084		875		500	3,528
- Public Private Partnership Authorization	126,895						126,895
Utilities Retained Earnings	52,120	34,225	26,300	28,500	28,650	40,650	210,445
Debt (Utilities, Local Improvements)	40,688	75,899	66,229	151,520	162,119	54,877	551,332
Other	923	5,867					6,790
Prior Years' Surplus (unallocated)	10,500						12,468
<b>TOTAL FINANCING SOURCES</b>	<b>421,099</b>	<b>338,129</b>	<b>291,618</b>	<b>362,353</b>	<b>384,984</b>	<b>292,477</b>	<b>2,090,660</b>

		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET	
		2008 Budget	2009	2010	2011	2012	2013		
<b><u>CAPITAL PROJECTS SUMMARY</u></b> <i>(in Thousands of \$)</i>		DETAIL PAGE NO.	FORECAST						
<b><u>CAPITAL PROJECTS LISTING</u></b>									
<b><u>PUBLIC WORKS</u></b>									
<b><u>Active Transportation Facilities</u></b>									
	Recreational Walkways and Bike Paths - Various Locations	3-1	1,500	1,000	1,000	1,000	1,000	6,500	
	New Regional Sidewalks	3-2	250	250	250	250	250	1,500	
	Active Transportation Corridors	3-3	600	100	100	100	100	1,100	
	<b>Total Active Transportation Facilities</b>		<b>2,350</b>	<b>1,350</b>	<b>1,350</b>	<b>1,350</b>	<b>1,350</b>	<b>9,100</b>	
<b><u>Regional Streets</u></b>									
<b><u>Street Improvements</u></b>									
	Traffic Signals Enhancement	3-4	2,300	2,300	2,300	2,300	2,300	13,800	
	Developer Payback - Various Locations	3-5	1,850	5,250	250		12,171	19,521	
	Kenaston Blvd - Academy Rd to Taylor Ave - Cash to Capital (Equity in Capital Assets Fund) - Federal Gas Tax		100	100	100	100	100	500	
	Total Kenaston Blvd - Academy Rd to Taylor Ave	3-6	100	100	100	100	100	600	
	Traffic Engineering Improvement - Various Locations - Cash to Capital (Equity in Capital Assets Fund) - Federal Gas Tax		650	150	650	650	650	3,400	
	Total Traffic Engineering Improvement - Various Locations	3-7	650	650	650	650	650	3,900	
	Inkster Blvd - Keewatin St to Brookside Blvd - Cash to Capital (Equity in Capital Assets Fund) - Developer Funding		1,100	14,648	15,770			31,518	
	Total Inkster Blvd - Keewatin St to Brookside Blvd	3-8	1,100	15,232	15,770			32,102	
	McGillivray Blvd - Waverley St to Columbia Dr - Cash to Capital (Equity in Capital Assets Fund) - Developer Funding		13,361					13,361	
	Total McGillivray Blvd - Waverley St to Columbia Dr	3-9	13,680					13,680	
	<b>Total Street Improvements</b>		<b>19,680</b>	<b>23,532</b>	<b>19,070</b>	<b>3,050</b>	<b>15,221</b>	<b>83,603</b>	

CAPITAL PROJECTS SUMMARY

CAPITAL PROJECTS SUMMARY (in Thousands of \$)										ADOPTED BY COUNCIL DECEMBER 18, 2007					2008-2013 6 YEAR TOTAL BUDGET
DETAIL PAGE NO.	2008 Budget	FORECAST					2008-2013 6 YEAR TOTAL BUDGET								
		2009	2010	2011	2012	2013									
<b>Regional and Local Streets</b>															
- Cash to Capital (Equity in Capital Assets Fund)	18,831	17,610	2,740	26,366	8,970	21,341	95,858								
- Federal Gas Tax	17,460	26,020	19,705	15,643	15,643	15,643	110,114								
- Provincial Building Manitoba Fund - Roads	7,000	7,000	7,000	7,000	7,000	7,000	42,000								
<b>Total Regional and Local Streets</b>	<b>43,291</b>	<b>50,630</b>	<b>29,445</b>	<b>49,009</b>	<b>31,613</b>	<b>43,984</b>	<b>247,972</b>								
<b>Waterway Crossings and Grade Separations</b>															
Sturgeon Rd Bridge (Sturgeon Creek)				2,033	10,977		13,010								
Osborne St Bridge (Assiniboine River)			1,355	6,776	6,294		14,425								
Jubilee Ave Overpass (Pembina Hwy)		896	7,638				8,534								
Waverley St/ CN Mainline Grade Separation			1,119			1,581	1,119								
Louise Bridge (Red River) Rehabilitation or Replacement						6,323	1,581								
Pembina Highway Underpass						3,161	6,323								
St. James Street Bridge (Omand's Creek)						3,161	3,161								
Ness Avenue Culvert (Sturgeon Creek)						3,161	3,161								
<b>Total Waterway Crossings and Grade Separations - Annual Program</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>12,000</b>								
<b>Disraeli Bridge and Overpass Facility</b>															
- Public Private Partnership	34,000						34,000								
- Cash to Capital (Equity in Capital Assets Fund)	4,000	2,000	2,000				8,000								
- Federal Gas Tax		13,862	13,862	13,862	13,862	13,862	55,448								
- Public Private Partnership Lease Payments		(13,862)	(13,862)	(13,862)	(13,862)	(13,862)	(55,448)								
<b>Total Disraeli Bridge and Overpass Facility</b>	<b>38,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>42,000</b>								
<b>Culvert Replacement Program - St. Matthews Ave (Omand's Creek)</b>															
- Cash to Capital (Equity in Capital Assets Fund)		192					192								
- Federal Gas Tax		1,600					1,600								
<b>Total Culvert Replacement Program - St. Matthews Ave (Omand's Creek)</b>		<b>1,792</b>					<b>1,792</b>								
<b>Fort Garry Bridge Rehabilitation and Widening</b>															
- Cash to Capital (Equity in Capital Assets Fund)	10,238	1,140					11,378								
- Federal Gas Tax		6,700					6,700								
<b>Total Fort Garry Bridge Rehabilitation and Widening</b>	<b>10,238</b>	<b>7,840</b>					<b>18,078</b>								
<b>Charleswood Bridge</b>															
- 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)								
<b>Total Charleswood Bridge</b>															
<b>Total Waterway Crossings and Grade Separations</b>	<b>50,238</b>	<b>14,528</b>	<b>14,112</b>	<b>10,809</b>	<b>19,271</b>	<b>16,226</b>	<b>125,184</b>								

		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET	
		2008 Budget	2009	2010	2011	2012	2013		
<b>CAPITAL PROJECTS SUMMARY</b> <i>(in Thousands of \$)</i>		DETAIL PAGE NO.	FORECAST						
<b>New Transportation Facilities</b>									
Chief Peguis Trail - Henderson Hwy to Lagimodiere Blvd								60,000	
- Public Private Partnership		60,000						4,000	
- Cash to Capital (Equity in Capital Assets Fund)		2,000	2,000	1,353 (1,353)	5,415 (5,415)	5,415 (5,415)	5,415 (5,415)	17,598 (17,598)	
- Federal Gas Tax									
- Public Private Partnership Lease Payments									
Total Chief Peguis Trail - Henderson Hwy to Lagimodiere Blvd		62,000	2,000					64,000	
<b>Other Streets Projects</b>									
Asset Management System - Various Divisions		100	100	100	100	100	100	600	
Land Drainage Sewers - Regional / Local Streets		200	150	150	150	150	150	950	
Sand / Salt Storage Facility		1,300						1,300	
Land Acquisition - Right of Way		324						324	
City-Wide Accessibility Program		350	250	250	250	250	250	1,600	
Total Other Streets Projects		2,274	500	500	500	500	500	4,774	
<b>TOTAL STREETS PROJECTS</b>		179,833	92,540	64,477	64,718	67,955	65,110	534,633	
<b>Parks and Open Space</b>									
Reforestation - Improvements		383	383	383	383	433	383	2,348	
Athletic Fields - Improvements		200	200	200	200	200	200	1,200	
Parks - Improvements		1,250	900	808	262	617	677	4,514	
Playground Structures		1,750	1,750	1,750	1,750	1,800	1,800	10,600	
Pathway / Roadway / Tennis Court Upgrading		150	150			150	150	600	
Community Park Amenities		1,500	1,500	1,500	1,500	1,500	1,500	9,000	
Total Parks and Open Space		5,233	4,883	4,641	4,095	4,700	4,710	28,262	
<b>TOTAL PUBLIC WORKS</b>		185,066	97,423	69,118	68,813	72,655	69,820	562,895	
<b>LOCAL IMPROVEMENTS - Ongoing Program</b>									
- Cash to Capital (Equity in Capital Assets Fund)		906	225	80	80	80	80	1,451	
- Interim Financing		(600)	(145)					(745)	
- External Debt		3,488	1,520	1,520	1,520	1,520	1,520	11,088	
<b>LOCAL IMPROVEMENTS</b>		3,794	1,600	1,600	1,600	1,600	1,600	11,794	

CAPITAL PROJECTS SUMMARY

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007							2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST						2013
				2009	2010	2011	2012	2013		
<b>COMMUNITY SERVICES</b>										
	Community Incentive Grant Program	3-38	1,421	1,449	1,478	1,508	1,538	1,569	8,963	
	Library Replacement - Various	3-39		3,000	2,000		4,000	2,000	11,000	
	Library Shelving and Furniture Replacement Program	3-40		500			200	500	1,200	
	Integrated Property Based Information Systems	3-41			500				500	
	Vehicle Guidance System & Office "Anti-Pesticide Registration" Management Software Package	3-42	160	160	160				480	
	Renovate and Refurbish Various Library Branches - First Call on 2008 Capital Budget - Cindy Klassen Recreation Complex - \$200,000 (Council September 26, 2007)	3-43	1,250				300	1,000	2,550	
	Imaging and Document Management	3-44		250	250	250			750	
	Library Technology Upgrade and Replacement	3-45			500				500	
	Recreational Facility Safety & Accessibility Improvements	3-46	400	600	300		400	400	2,100	
	Library Signage, Safety and Accessibility	3-47					200	200	400	
	New Recreation and Leisure Facility Equipment Program	3-48	400	400					800	
	Business Application Systems	3-49						250	250	
	Sports Facility Program	3-50	40						40	
	Assimboine Park Amenities Improvements / Development	3-51		2,000	2,000	2,000	2,000	3,000	11,000	
	<b>TOTAL COMMUNITY SERVICES</b>		<b>3,671</b>	<b>8,359</b>	<b>7,188</b>	<b>3,758</b>	<b>8,638</b>	<b>8,919</b>	<b>40,533</b>	

		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET	
		2008 Budget	2009	2010	2011	2012	2013		
<b>CAPITAL PROJECTS SUMMARY</b> (in Thousands of \$)		DETAIL PAGE NO.	FORECAST						
<b>WINNIPEG POLICE SERVICE</b>									
	Renovations - 5th Floor Public Safety Building	3-52		616				616	
	Emergency Exit Overpass - 4th Floor Public Safety Building to Parkade	3-53	336					336	
	Replace Voice 2-Way Radio System	3-54	1,815	4,683				8,898	
	Wireless Emergency 911 Upgrade	3-55	260	260				260	
	Automated Fingerprint Identification System (AFIS) Replacement	3-56			500			500	
	Police Priority Dispatch System	3-57		427				427	
	Outdoor Shooting Range	3-58	700	896				1,596	
	Central Processing Unit	3-59		4,188				4,188	
	Identification Unit - Forensic Services	3-60	2,108	768		7,611	8,220	18,707	
	Winnipeg Police Service Communications	3-61			7,193			7,193	
	Digital Recording - Interview Rooms	3-62				323		323	
	Police Building Replacement		32,895					32,895	
	- Public Private Partnership		(3,390)					11,024	
	- Cash to Capital (Equity in Capital Assets Fund)		1,081	1,609	3,185	4,243	4,296		
	- Public Private Partnership Lease Payments		(1,081)	(1,609)	(3,185)	(4,243)	(4,296)	(14,774)	
	Total Police Building Replacement	3-63	29,145					29,145	
	<b>TOTAL WINNIPEG POLICE SERVICE</b>		34,353	10,174	7,693	7,934	8,220	72,189	
<b>FIRE PARAMEDIC SERVICE</b>									
	Facilities Replacement and Relocation Program	3-64	1,792	2,600		840	850	6,082	

		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET	
		2008 Budget	2009	2010	2011	2012	2013		
<b><u>CAPITAL PROJECTS SUMMARY</u></b> <i>(in Thousands of \$)</i>		DETAIL PAGE NO.	FORECAST						
<b><u>PLANNING, PROPERTY AND DEVELOPMENT</u></b>									
<b><u>Other Planning, Property and Development</u></b>									
	Computer Automation	3-65	185	165	200	200	200	1,150	
	Land Acquisition for General Unspecified Purposes	3-66	328	500	500	500	500	2,828	
	Riverbank Greenway Programs (formerly Pathways)	3-67	465	522	385	403	551	2,707	
	Cemeteries - Improvements	3-68	250				100	450	
	Riverbank Stabilization - Physical Asset Protection - First Call on 2008 Capital Budget - St. Vital Park - \$900,000 (Council January 25, 2007)	3-69	1,500	1,000	1,000	1,000	1,000	6,500	
	Downtown Enhancement Program	3-71	400	400	400	400	400	2,400	
	Image Route Enhancements / Streetscaping	3-72	400	400	400	400	400	2,400	
	Expand Property Management and Integrate with Public Works Work Management System	3-73		112				112	
	Riverbank Access Park and Dock Network	3-74		300				300	
	Public Art Strategy *	3-75	100	500	500	500	500	2,600	
	Building Communities								
	- Cash to Capital (Equity in Capital Assets Fund)		1,000	1,000	1,000	1,000	1,000	6,000	
	- Manitoba Winnipeg Infrastructure Program (MWIP)		1,000	1,000	1,000	1,000	1,000	6,000	
	Total Building Communities	3-76	2,000	2,000	2,000	2,000	2,000	12,000	
	<b>Subtotal Planning, Property and Development (excluding Civic Accommodations and Building Services)</b>		<b>5,628</b>	<b>5,899</b>	<b>5,385</b>	<b>5,403</b>	<b>5,651</b>	<b>33,447</b>	

\* On March 26<sup>th</sup>, 2008, the 2008 Operating Budget was adopted, including the following recommendation, which reduced the previously adopted 2008 capital program and the internal financing requirement, specifically:

*"That the \$500,000.00 for Public Art previously approved in the 2008 Adopted Capital Budget be reduced to \$100,000.00 on a one-time basis to reduce debt and finance charges in the tax-supported operating budget."*

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	2009	2010	2011	2012	2013	
DETAIL PAGE NO.		FORECAST						
	<b>Civic Accommodations</b>							
3-77	General Building Renovation and Refurbishing	500		500	500	500	500	2,500
3-78	Civic Buildings - Barrier Free Access				300	300		600
3-79	Removal of Asbestos		100	300	100	124	100	724
3-80	Roof Replacement	500	500	800	200	200	250	2,450
3-81	Fire Safety Upgrading - Various Locations		200	500	200	200	200	1,300
3-82	Public Safety Building - Exterior Cladding	3,033	5,367					8,400
3-83	Energy Conservation	200		300		200		700
3-84	Civic Centre Car Park Tunnel					200		200
3-85	Tenant Improvement Prepayment - Major Department					500		500
3-86	Historic Building Stabilization	200	500	400		200	200	1,500
3-87	Major Building Heating, Ventilation and Air Conditioning (HVAC) Upgrades	400		900		200	500	2,000
3-88	Building Envelope - Evaluation and Emergency Repair		500	1,000		200		1,700
3-89	Elevator and Escalator Repair			800	400	200		1,400
3-90	510 Main Street - Generator Set Replacement						2,700	2,700
3-91	Parking Lot Surface Repairs			200	200	200	200	800
3-92	Public Works / Water & Waste Departments Facilities Consolidation - Land Operating Reserve Fund (Proceeds from Sale of Surplus Properties)	973						973
	<b>Subtotal Civic Accommodations</b>	<b>5,806</b>	<b>7,167</b>	<b>5,700</b>	<b>1,900</b>	<b>3,224</b>	<b>4,650</b>	<b>28,447</b>

CAPITAL PROJECTS SUMMARY

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	FORECAST				2013	
DETAIL PAGE NO.		2009	2010	2011	2012	2013		
	<b>Building Services</b>							
3-93	Community Centres - Refurbishing and Improvements	540	500	500	500	500	3,040	
3-94	Arenas	525	525	525	525	525	3,150	
3-95	Indoor Aquatic Facilities - First Call on 2008 Capital Budget - Cindy Klassen Recreation Complex - \$1.1 million, Waterslide Replacement at Elmwood Kildonan Pool - \$250,000 (Council September 26, 2007)	2,450	2,450	2,450	2,530	2,530	14,860	
3-96	Outdoor Aquatic Facilities	350	450	450	450	450	2,500	
3-97	Community Facilities	200	200	200	200	200	1,200	
3-98	Fire / Life Safety Replacement / Asbestos Abatement	225	225	225	225	225	1,350	
3-99	Security / Building Automation Systems Initiatives	125	125	125	125	125	750	
3-100	Building Asset / Work Management Program	100	100				200	
3-101	UFF - Hockey Pen Light Standard Replacement	100	100	100	100	100	600	
	Recreation and Leisure Facilities - First Call on 2008 Capital Budget - Spray Pad/Park Investment - \$286,598 (Council July 18, 2007)							
	- Cash to Capital (Equity in Capital Assets Fund)							
	- General Purpose Reserve	2,650	860	9,000			9,860	
	- Transfer from Sewage Disposal Utility Capital Program	923	3,292	(9,000)			(6,350)	
	- Canada Strategic Infrastructure Fund - Province	5,125	3,112				4,215	
	- Interim Financing (Repayment)	8,677	(7,164)				11,875	
3-102	Total Recreation and Leisure Facilities	17,375	2,125	100			19,600	
	<b>Total Building Services</b>	21,990	6,700	4,575	4,655	4,655	47,250	
	<b>TOTAL PLANNING, PROPERTY AND DEVELOPMENT</b>	33,424	15,760	11,878	13,530	14,786	109,144	
	<b>CITY CLERKS</b>							
3-103	Office Automation	200		200		200	600	
3-104	Corporate Records Centre				200		200	
3-105	Election Systems	150	150				300	
3-106	Voting Machine Replacement	1,500	250				1,750	
3-107	City Archives	150	500	500	500	500	2,150	
	<b>TOTAL CITY CLERKS</b>	150	900	700	700	700	5,000	

		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	2009	2010	2011	2012	2013	
DETAIL PAGE NO.		FORECAST						
	<b>CAPITAL PROJECTS SUMMARY</b> (in Thousands of \$)							
	<b>INTERNAL SERVICES</b>							
3-108	Communications Network Infrastructure	648	648	633	638	643	642	3,852
3-109	Network Computing Initiatives	620	216	209	211	213	213	1,682
3-110	E-Government	250	150	1,057	1,070	617	629	3,773
3-111	PeopleSoft Upgrade				1,500	1,000	500	3,000
3-112	Data Warehouse / Business Intelligence		125	520	200		169	1,014
	<b>TOTAL INTERNAL SERVICES</b>	1,518	1,139	2,419	3,619	2,473	2,153	13,321
	<b>PROPERTY ASSESSMENT</b>							
3-113	Assessment Automation		500	1,000	500			2,000
	<b>OTHER PROJECTS</b>							
	Innovative Capital							
	- Cash to Capital (Equity in Capital Assets Fund)	168	12	250				430
	- Repayment to the General Purpose Reserve	(168)	(12)	(250)				(430)
	Total Innovative Capital							
3-114	311 Customer Service	4,917						4,917
3-115	Capital Investment Fund	4,357		6,138	6,138	6,138	6,138	28,909
3-116	<b>TOTAL OTHER PROJECTS</b>	9,274		6,138	6,138	6,138	6,138	33,826
	<b>TRANSIT</b>							
3-117	Transit Security Enhancements	250	250	250				750
3-118	Fare Collection System		3,500	2,500	2,500			8,500
	Innovative Transit Program							
	- Cash to Capital (Equity in Capital Assets Fund)	638	700	800	800	800	1,000	4,738
	- Winsmart - Urban Transportation Showcase	62						62
3-119	Total Innovative Transit Program	700	700	800	800	800	1,000	4,800
	Transit Building Replacement / Refurbishment							
	- Cash to Capital (Equity in Capital Assets Fund)				1,413	3,842	6,797	12,052
	- Federal Gas Tax			6,109	6,109	6,109	6,109	24,436
3-120	Total Transit Building Replacement / Refurbishment			6,109	7,522	9,951	12,906	36,488
	Transit Buses							
	- Cash to Capital (Equity in Capital Assets Fund)	2,773	2,143	1,475	82			6,473
	- Transit Bus Replacement Reserve	6,098	8,420	9,797	11,135	12,445	12,745	60,640
	- Provincial Building Manitoba Fund	3,840	3,840	3,840	3,840	3,840	3,840	23,040
	Total Transit Buses	12,711	14,403	15,112	15,057	16,285	16,585	90,153
3-122	Transit Improvements - Federal Gas Tax	3,054	6,109					9,163
	<b>TOTAL TRANSIT</b>	16,715	24,962	24,771	25,879	27,036	30,491	149,854

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	2009	2010	2011	2012	2013	
DETAIL PAGE NO.								
	<b>WATER &amp; WASTE</b>							
	<u>Land Drainage and Flood Control - Tax-Supported Portion</u>							
	Land Drainage and Flood Control - Regional							
	<u>Financed by Equity in Capital Assets:</u>							
	Stormwater Retention Basin Rehabilitation	150	200	200	200	400	1,550	
	Flood Pumping Station Rehabilitation	850	900	1,000	1,000	1,000	5,750	
	Land Drainage and Combined Sewers Outfall Gate Structures	900	1,450	1,450	1,450	1,500	8,250	
	Floodplain Management		700				700	
	Seine River Waterway Acquisition	100	150	150	150	150	850	
	Primary Dike Upgrading		250	300	1,500	1,390	4,940	
	Land Drainage Safety Upgrading Program		200	200	100	200	900	
	Charleswood & Wilkes South Land Drainage Project	1,343					1,343	
	Land Drainage Asset Management Strategy				200		200	
	Ravelston Land Drainage Pumping Station Upgrading	2,352					2,352	
	Portable Flood Pumps	250	250				500	
	Flood Equipment Storage Facility			500			500	
	<u>Financed by Frontage Levy:</u>							
	Combined Sewer Flood Relief							
	- Frontage Levy	7,200	7,200	7,200	7,200	7,200	43,200	
	Flood Relief Sewers - Separate							
	- Frontage Levy	300	300	300	300	300	1,800	
	<u>Financed by Developer Capacity Charges:</u>							
	Development Agreement Paybacks	750	500				1,750	
	Fernbank Ave Land Drainage Sewer				875		875	
	<b>Total Land Drainage and Flood Control - Regional</b>	<b>14,195</b>	<b>12,100</b>	<b>11,300</b>	<b>12,975</b>	<b>12,140</b>	<b>75,460</b>	
	<b>Land Drainage and Flood Control - Residential</b>							
	Outfall Rehabilitation - Cash to Capital (Equity in Capital Assets Fund)	500	400	550	550	800	3,600	
	<b>TOTAL LAND DRAINAGE AND FLOOD CONTROL</b>	<b>14,695</b>	<b>12,500</b>	<b>11,850</b>	<b>13,525</b>	<b>12,940</b>	<b>79,060</b>	

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	2009	2010	2011	2012	2013	
DETAIL PAGE NO.								
	<b>WATER WORKS SYSTEM - Utility Funding</b>							
	<i>Financed by Waterworks Retained Earnings:</i>							
3-140	Long Term Zebra Mussel Mitigation						1,100	1,100
3-141	Saskatchewan Avenue Feedermain			1,300				1,300
3-142	Water Supervisory Control and Data Acquisition (SCADA) Upgrade			1,800		2,900		4,700
3-143	Branch II Aqueduct Valve Interconnection Control Structure	500						500
3-144	Tache Booster Pumping Station Upgrading	800						800
3-145	Shoal Lake Aqueduct Intake Structure Condition Assessment	200	800	1,000				2,000
3-146	Disraeli Feedermain - Red River Crossing Rehabilitation / Replacement		2,500					2,500
3-147	Shoal Lake Intake Chloramination Facility	300			2,000			2,300
3-148	General Water Infrastructure Rehabilitation				300		300	1,200
3-149	Midtown Feedermain - Assiniboine River Crossing Replacement / Rehabilitation	2,500						2,500
3-150	Waverley West Feedermain		2,500				4,200	6,700
3-151	Feedermain Condition Assessment Study - Phase 1	500						500
3-152	Water Utility Asset Management Strategy		200					200
3-153	Shoal Lake Aqueduct Asset Preservation					1,000		1,000
3-154	Water Supply Valve Installation / Replacement Program	1,500	1,500	1,500	1,500	1,500	1,500	9,000
3-155	Shoal Lake Intake Maintenance / Communication Facility Rehabilitation (formerly Shoal Lake Aqueduct Maintenance/Storage Facility)			700				700
3-156	Hurst Pumping Station Building - Structural Repairs			1,000				1,000
3-157	Chlorination Decommission at Regional Pump Stations			100				100
3-158	Safety Upgrades - Isolation Valves at Valve and Meter Pits	300	300					900

CAPITAL PROJECTS SUMMARY

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST					2013
				2009	2010	2011	2012		
<b>WATER WORKS SYSTEM - Utility Funding (continued)</b>									
	Deacon Booster Pumping Station - Building Upgrades	3-159	500					500	
	Deacon Chemical Feed Facility Upgrading	3-160			1,000			1,000	
	Regional Pumping Stations Structural Upgrades	3-161			500			500	
	Safety Upgrades - Wilkes Reservoir "B" Pit	3-162			600			600	
	Asbestos Containing Materials Operations & Maintenance Program	3-163	125	125	125			500	
	Branch 1 Aqueduct at Seine River - Riverbank Stabilization	3-164	200	1,000				1,400	
	Regional Pumping Stations Reliability Upgrades	3-165				1,600		1,600	
	Waterworks System Security Upgrades	3-166	500	500	500	500	500	3,000	
	Assessments of Water System Infrastructure and Water Supply Sources	3-167					750	750	
	McPhillips Reservoir Slope Stability Remediation	3-168	120					120	
	Arc Flash Hazard Analysis and Remediation	3-169		525				525	
	Regional Servicing Strategy for Plan Winnipeg	3-170	150					150	
	Public Water Outlets	3-171	500					500	
	Capital Investment Fund	3-172	1,850					1,850	
	Watermain Renewals								
	- Watermain Renewal Reserve - Frontage Levy		7,000	7,000	7,000	7,000	7,000	42,000	
	- Retained Earnings		3,000	3,000	3,000	3,000	3,000	18,000	
	Total Watermain Renewals	3-173	10,000	10,000	10,000	10,000	10,000	60,000	
	<b>TOTAL WATERWORKS SYSTEM (Utility Supported)</b>		<b>20,545</b>	<b>16,525</b>	<b>19,625</b>	<b>22,000</b>	<b>14,150</b>	<b>111,995</b>	
<b>SEWAGE DISPOSAL SYSTEM - Utility Funding</b>									
<b>Sewage Disposal System - Regional</b>									
<i>Financed by Sewage Disposal System Retained Earnings:</i>									
	Primary Clarifier Refurbishment - NEWPCC	3-174	1,500					1,500	
	Lift Stations Upgrading	3-175	750	750	750	750	750	4,500	
	Inflow / Infiltration / Cross-Connection Study and Mitigation	3-176	750					750	
	Sewer System Isolation in Areas Protected by Secondary Dikes	3-177		1,000	1,000			2,500	
	Raw Sewage Pump Replacement - NEWPCC	3-178		2,000				2,000	
	SurgeWell Condition Assessment & Main Pump Hydraulic Rehabilitation - NEWPCC	3-179		5,100	5,200			10,300	
	Waverley West Interceptor Sewer	3-180	480	4,500		6,900		11,880	

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	2009	2010	2011	2012	2013	
DETAIL PAGE NO.								
	<b>SEWAGE DISPOSAL SYSTEM - Utility Funding (continued)</b>							
3-181	Upgrading External Power Supply - NEWPCC	3,500				4,000		4,000
3-182	Septage Acceptance Facility - Wastewater Pollution Control Centres	400	400					3,500
3-183	Re-Roofing at Water Pollution Control Centres					400		1,200
3-184	Head Tank Replacement - NEWPCC				500			500
3-185	Centrifuge Replacement - NEWPCC				6,900			6,900
3-186	River Crossings Monitoring and Rehabilitation	2,500	2,300	1,300	1,300	1,300	1,300	10,000
3-187	Asbestos Containing Materials Operations & Maintenance Program	125	125	125	125			500
3-188	Digester Area Upgrades - NEWPCC	600		700				1,300
3-189	Water Pollution Control Centre Reliability Upgrades		5,000	5,000	5,000		5,000	20,000
3-190	Arc Flash Hazard Analysis and Remediation	1,600						1,600
3-191	Regional Servicing Strategy for Plan Winnipeg	350						350
3-192	Wastewater System Security Upgrades		100					100
3-193	HVAC Replacement - WEWPCC						5,000	5,000
3-194	Traffic Safety Upgrades - NEWPCC						1,800	1,800
3-195	Holding Tanks Coating - NEWPCC						1,500	1,500
3-196	Primary Clarifier Covers - NEWPCC						18,000	18,000
3-197	Capital Investment Fund	2,818						2,818
	<b>Financed by Other Sources:</b>							
3-198	Environmental Impact Statement and Public Hearings - Environmental Reserve	200	200	200	200	200		1,000
	Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation - Environmental Reserve		7,000	8,000	9,000	9,000	10,000	43,000

CAPITAL PROJECTS SUMMARY (in Thousands of \$)		ADOPTED BY COUNCIL DECEMBER 18, 2007						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	FORECAST					
DETAIL PAGE NO.	2009		2010	2011	2012	2013		
<b>SEWAGE DISPOSAL SYSTEM - Utility Funding (continued)</b>								
Biosolids - Alternative Disposal Delivery & Management System								
- Environmental Reserve	117	4,336	4,156	10,950	12,451		32,010	
- External Debt		2,664	15,844		10,599		29,107	
Total Biosolids - Alternative Disposal Delivery & Management System	117	7,000	20,000	10,950	23,050		61,117	
<b>Effluent Disinfection and Nutrient Removal - WEWPCC</b>								
- Environmental Reserve	7,410	4,190					7,410	
- External Debt							4,190	
Total Effluent Disinfection and Nutrient Removal - WEWPCC	7,410	4,190					11,600	
<b>Nutrient Removal / Expansion - SEWPCC</b>								
- Retained Earnings	22,800	6,000	8,035				22,800	
- Canada Strategic Infrastructure Fund (CSIF) - Federal		14,608	10,392				14,035	
- Canada Strategic Infrastructure Fund (CSIF) - Provincial	27,200	46,525	48,865				25,000	
- External Debt		5,867	(3,292)				122,590	
- Prior Years' Authorized External Debt	923						6,790	
- Transfer to General Capital Fund	(923)						(4,215)	
Total Nutrient Removal - SEWPCC	50,000	73,000	64,000				187,000	
<b>Nutrient Removal - NEWPCC</b>								
- Environmental Reserve						11,643	11,643	
- External Debt	10,000	21,000		150,000	150,000	53,357	384,357	
Total Nutrient Removal - NEWPCC	10,000	21,000		150,000	150,000	65,000	396,000	
<b>Total Sewage Disposal System - Regional</b>	83,100	130,765	108,675	185,725	195,600	108,350	812,215	
<b>Sewer Renewal</b>								
- Frontage Levy	12,600	12,600	12,600	12,600	12,600	12,600	75,600	
<b>TOTAL SEWAGE DISPOSAL SYSTEM</b>	95,700	143,365	121,275	198,325	208,200	120,950	887,815	

<b>CAPITAL PROJECTS SUMMARY</b> <i>(in Thousands of \$)</i>		ADOPTED BY COUNCIL DECEMBER 18, 2007							2008-2013 6 YEAR TOTAL BUDGET
		DETAIL PAGE NO.	2008 Budget	2009	2010	2011	2012	2013	
<b>SOLID WASTE DISPOSAL SYSTEM - Utility Funding</b>									
<i>Financed by Solid Waste Disposal Retained Earnings:</i>									
	Landfill Cell Excavation	3-206		2,300					2,300
	Summit Landfill Closure / Post-Closure	3-207	150	300	300	300	300	150	1,500
	Miscellaneous Land Acquisition	3-208		100					100
	Cordite Landfill Remedial Work	3-209	252						252
	Brady Landfill Staff Building	3-210		1,000					1,000
<b>TOTAL SOLID WASTE DISPOSAL SYSTEM</b>			402	3,700	300	300	300	150	5,152





The City of Winnipeg

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# Capital Projects Detail

2008

Capital Budget

and

2009 to 2013

Five Year Forecast

Adopted by Council on December 18, 2007

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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).

**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
Project: 183200XX08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	1,500	1,000	1,000	1,000	1,000	1,000	5,000	6,500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,500	1,000	1,000	1,000	1,000	1,000	5,000	6,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,275	1,075	1,000	1,000	1,000	1,000	150	6,500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,275	1,075	1,000	1,000	1,000	1,000	150	6,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	76	64	60
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	35	144	243
<b>SURPLUS/(DEFICIT)</b>	41	(80)	(183)

**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.

**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **New Regional Sidewalks**

Department: Public Works  
 Project: 183200XX08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	12	16	16
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	26	50
<b>SURPLUS/(DEFICIT)</b>	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.

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

## PUBLIC WORKS - GENERAL CAPITAL FUND

Project Name: **Active Transportation Corridors**

Department: Public Works  
Project: 183200XX08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	600	100	100	100	100	100	500	1,100
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		600	100	100	100	100	100	500	1,100

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	510	175	100	100	100	100	15	1,100
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	510	175	100	100	100	100	15	1,100

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	30	10	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	14	49	63
<b>SURPLUS/(DEFICIT)</b>	16	(39)	(57)

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

Marking of "Sharrows" symbol on the road and associated signage. Projects for 2008 include the following:

Projects:	Amount
1. Roblin Boulevard	
- Dale Blvd to Charleswood Parkway (4,265 m)	11
- Charleswood Parkway to Chalfont Rd (1,144 m)	4
2. Grant Avenue	
- Roblin Blvd to Shaftesbury Blvd (3,422 m)	10
3. Plessis Road	
- Kildare Avenue W to Regent Avenue W (626 m)	2
4. Regent Avenue W	
- Plessis Rd to Panet Rd (3,425 m)	10
5. Dakota Street	
- Warde Ave to Fermor Ave (4,887 m)	13
6. Regional Streets - Various Locations	50
7. Subject to Council approval of priorities after the Active Transportation Plan is developed in early 2008	500
	<b>600</b>

**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **Traffic Signals Enhancement**

Department: Public Works  
 Project: 183200XX08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	500	2,300	2,300	2,300	2,300	2,300	2,300	11,500	13,800
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		2,300	2,300	2,300	2,300	2,300	2,300	11,500	13,800

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,955	2,300	2,300	2,300	2,300	2,300	345	13,800
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,955	2,300	2,300	2,300	2,300	2,300	345	13,800

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	118	138	138
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	54	241	460
<b>SURPLUS/(DEFICIT)</b>	64	(103)	(322)

**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).

## PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 180700xx08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	1,850	5,250	250	-	12,171	-	17,671	19,521
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,850	5,250	250		12,171		17,671	19,521

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,850	5,250	250	-	12,171	-	-	19,521
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,850	5,250	250		12,171			19,521

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	112	316	16
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	51	328	666
<b>SURPLUS/(DEFICIT)</b>	61	(12)	(650)

**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:	2008	2009	2010	2011	2012	2013	Total
Concordia Avenue Interchange	250	250	250				750
Lagimodiere Boulevard & Warde Avenue intersection					300		300
Adsum Drive	400						400
Headmaster Row & Lagimodiere Blvd. intersection	1,200						1,200
Kenaston Boulevard Extension & Bishop Grandin Intersection		5,000					5,000
Plessis Road Twinning					11,871		11,871
	<b>1,850</b>	<b>5,250</b>	<b>250</b>	<b>-</b>	<b>12,171</b>	<b>-</b>	<b>19,521</b>

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

**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **Kenaston Boulevard - Academy Road to Taylor Avenue**

Department: Public Works  
 Project: 1803000601

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

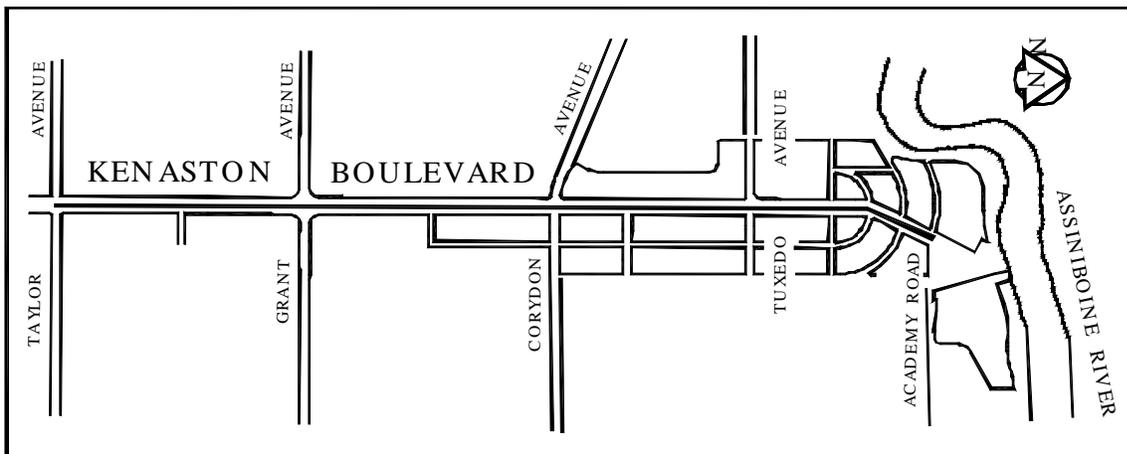
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,800	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		100		100	100	100	100	400	500
Federal Gas Tax			100					100	100

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	85	100	100	100	100	100	15	600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	85	15	85	100	100	100	15	500
Federal Gas Tax		85	15					100

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	6	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	2	8	11
<b>SURPLUS/(DEFICIT)</b>	<b>4</b>	<b>(2)</b>	<b>(5)</b>

**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.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 183100xx08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	650	650	650	650	650	650	3,250	3,900
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		650	150	650	650	650	650	2,750	3,400
Federal Gas Tax			500					500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	553	650	650	650	650	650	97	3,900
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	553	150	650	650	650	650	97	3,400
Federal Gas Tax		500						500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	34	40	40
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	15	52	83
<b>SURPLUS/(DEFICIT)</b>	19	(12)	(43)

**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.

# PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 180400XX08

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

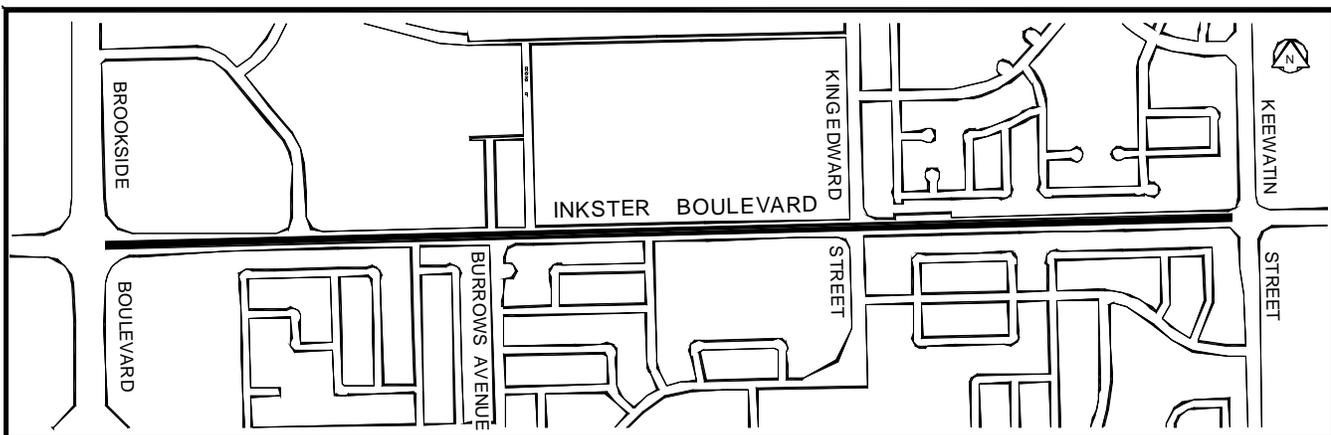
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	1,100	15,232	15,770	-	-	-	31,002	32,102
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,100	14,648	15,770				30,418	31,518
Developer Funding			584					584	584

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	935	13,200	15,602	2,365	-	-	-	32,102
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	935	12,616	15,602	2,365				31,518
Developer Funding		584						584

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	56	792	936
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	26	490	1,788
<b>SURPLUS/(DEFICIT)</b>	<b>30</b>	<b>302</b>	<b>(852)</b>

**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.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 1804002507

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,500	13,680	-	-	-	-	-	-	13,680
Financed by:									
Public Private Partnership								-	-
Cash to Capital (Equity in Capital Assets Fund)		13,361						-	13,361
Developer Funding		319						-	319
Public Private Partnership Lease Payments								-	-

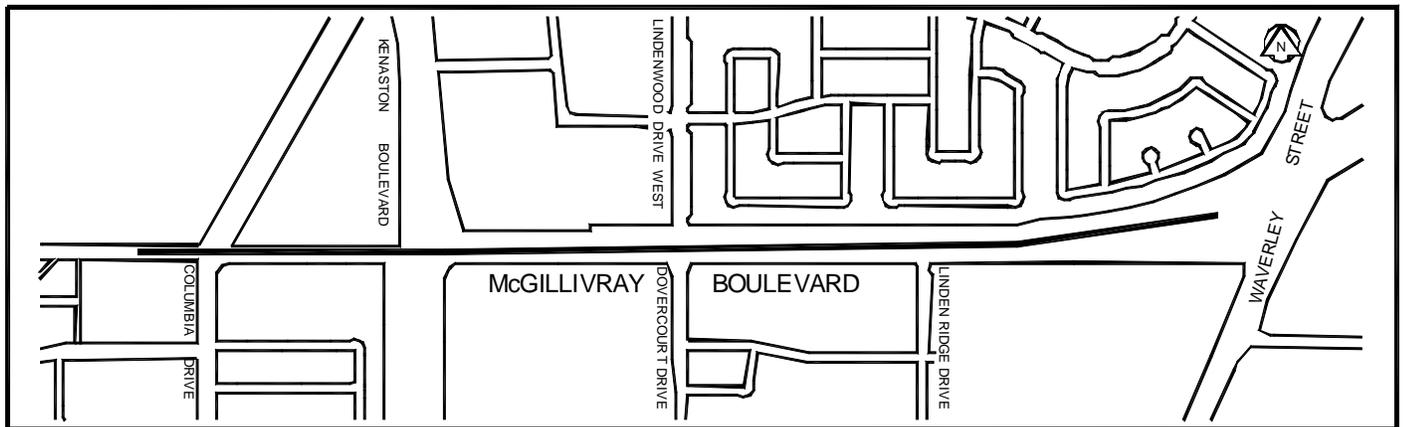
CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	13,680	-	-	-	-	-	-	13,680
Financed by:								
Cash to Capital (Equity in Capital Assets Fund) See Note	13,361							13,361
Developer Funding	319							319

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	821		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	367	1,138	1,138
<b>SURPLUS/(DEFICIT)</b>	<b>453</b>	<b>(1,138)</b>	<b>(1,138)</b>

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

Note: Previous Budget for preliminary engineering and land acquisition costs.

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.



## PUBLIC WORKS - GENERAL CAPITAL FUND

Project Name: **Regional and Local Streets**

Department: Public Works  
Project: 180400xx08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	43,291	50,630	29,445	49,009	31,613	43,984	204,681	247,972
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		18,831	17,610	2,740	26,366	8,970	21,341	77,027	95,858
Federal Gas Tax		17,460	26,020	19,705	15,643	15,643	15,643	92,654	110,114
Provincial Building Manitoba Fund - Roads		7,000	7,000	7,000	7,000	7,000	7,000	35,000	42,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	40,466	50,813	31,676	45,465	34,222	42,128	3,202	247,972
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	16,006	17,793	4,971	22,822	11,579	19,485	3,202	95,858
Federal Gas Tax	17,460	26,020	19,705	15,643	15,643	15,643		110,114
Provincial Building Manitoba Fund - Roads	7,000	7,000	7,000	7,000	7,000	7,000		42,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	2,428	3,048	1,900
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	440	2,102	3,468
<b>SURPLUS/(DEFICIT)</b>	<b>1,988</b>	<b>946</b>	<b>(1,568)</b>

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

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.

## PUBLIC WORKS - GENERAL CAPITAL FUND

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

#### Future projects in Regional and Local Street Renewals

#### Authorization

Program include the following (all figures in 000's):	Authorization						Six-Year
	2008	2009	2010	2011	2012	2013	Total
Regional Sidewalk and Curb Renewals:							
Sidewalk and Curb Renewals - Regional Streets	500	500	500	500	500	500	3,000
Regional Paving of Granular Shoulders:							
Paving of Granular Shoulders - Regional Streets	250	250	250	250	250	250	1,500
Regional Major Rehabilitation Works:							
Corydon Avenue - Cambridge Street to Kenaston Boulevard	500	500	500	500	500	500	3,000
St. James Street - Wellington Avenue to Saskatchewan Avenue	2,000						2,000
Ness Avenue (W/B) - Belvidere Street to Moorgate Street	1,000						1,000
Oak Point Highway (N/B) - Approximately 75m of Hyde Avenue to Eagle Drive	1,800						1,800
St. Mary's Road - St. Anne's Road to Fermor Avenue	5,500						5,500
King Street - William Avenue to Bannatyne Avenue	900						900
Mc Phillips Street (N/B) Swailes Avenue to Murray Road	1,000						1,000
Marion Street - Kenny Street to Rue Des Meurons	2,500						2,500
Grant Avenue (E/B) - Stafford Street to Pembina Highway	2,200						2,200
Lagimodiere Boulevard (S/B) - Fermor Avenue to 150m South	300						300
(If additional funds available)							
Logan Avenue - Reitta Street to Bushnell Street							
Century Street - Ellice Avenue to Wellington Avenue							
Regional Mill and Fill Rehabilitation Works:							
Pembina Highway (N/B) - Dalhousie to Bison	343						343
McPhillips Street (S/B) - Jefferson to Mapleglen	198						198
Lagimodiere Blvd. (S/B) - Marion to Fermor	1,256						1,256
Main Street (S/B) - Redwood to Higgins	827						827
Henderson Highway (S/B) - Kimberley to Munroe	325						325
Portage Avenue (E/B) - School to Woodhaven	704						704
McPhillips Street (N/B) - Logan to Redwood	850						850
(If additional funds available)							
Pembina Highway (S/B) - Kirkbridge to De Vos							
Main Street - City limit to Red River Dr.							
Regional Street Renewals - Annual Program - Various locations to be identified.		25,230	7,045	26,609	11,213	23,584	93,681
Granular Roadway Improvements	2,750	3,000	3,000	3,000	3,000	3,000	17,750
Lane Renewals - Various Locations	3,133	2,750	2,750	2,750	2,750	2,750	16,883
Sidewalk Renewals on Local Streets - Various Locations	400	400	400	400	400	400	2,400
Local Street Renewals - Various Locations	8,400	15,000	12,000	12,000	10,000	10,000	67,400
Residential Thin Bituminous Overlay (TBO)	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Gunn Road - Redonda Street to Plessis Road	615						615
Buffalo Place - Waverley Street to Otter Street	2,040						2,040
<b>Total Regional and Local Streets Program</b>	<b>43,291</b>	<b>50,630</b>	<b>29,445</b>	<b>49,009</b>	<b>31,613</b>	<b>43,984</b>	<b>247,972</b>

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

**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 180500xx11

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

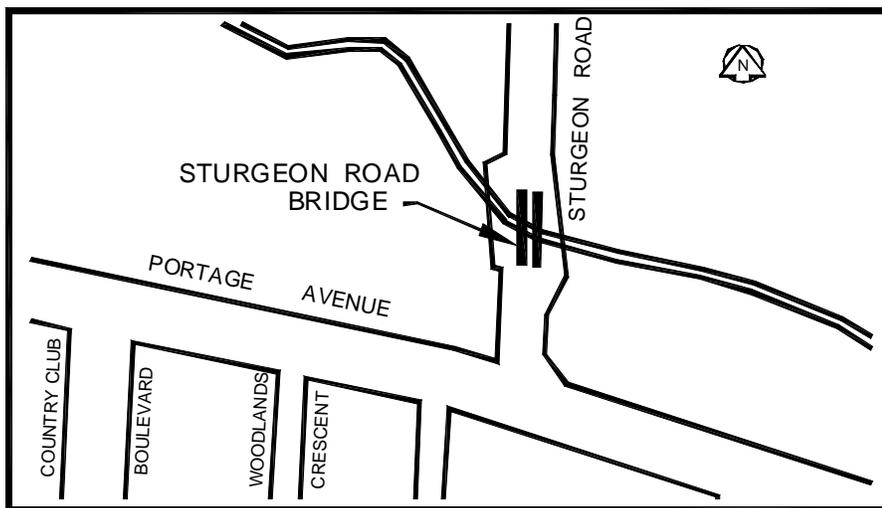
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	2,033	10,977	-	13,010	13,010
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)					2,033	10,977		13,010	13,010

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	1,728	9,635	1,647	-	13,010
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)				1,728	9,635	1,647		13,010

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.



# PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
 Project: 180500xx10

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

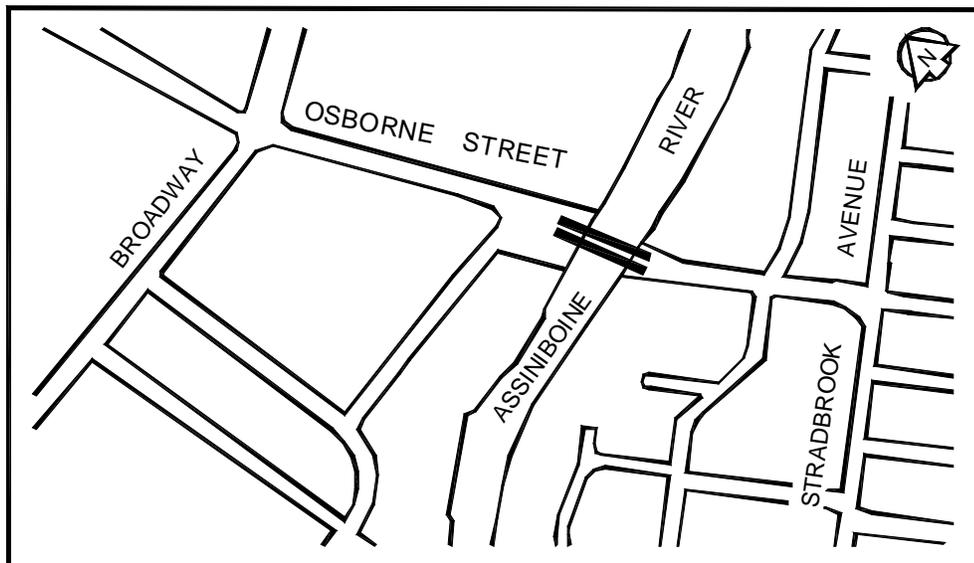
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	1,355	6,776	6,294	-	14,425	14,425
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				1,355	6,776	6,294		14,425	14,425

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	1,152	5,963	6,366	944	-	14,425
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			1,152	5,963	6,366	944		14,425

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			69
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			37
<b>SURPLUS/(DEFICIT)</b>	-	-	32

**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.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
Project: 180500xx09

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

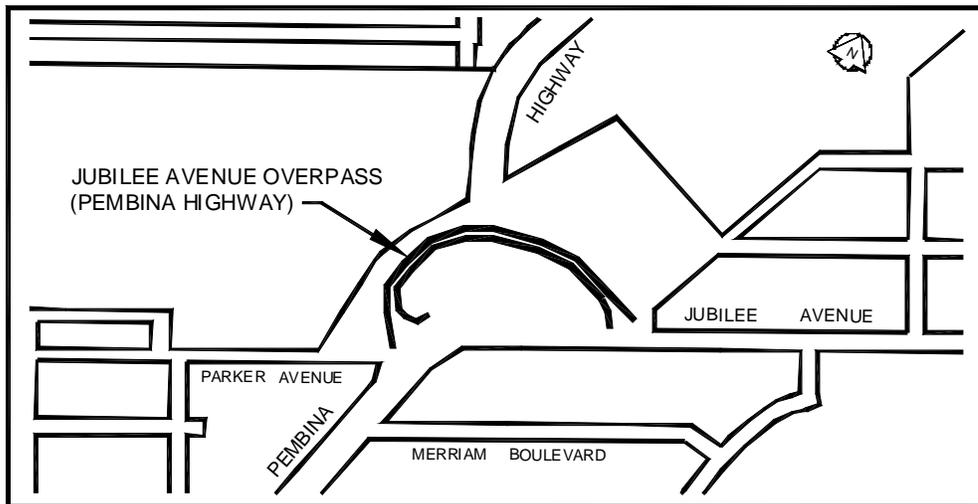
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	896	7,638	-	-	-	8,534	8,534
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			896	7,638				8,534	8,534

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	762	6,627	1,145	-	-	-	8,534
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		762	6,627	1,145				8,534

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		46	398
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		25	288
<b>SURPLUS/(DEFICIT)</b>	-	21	110

**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.



# PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 180500xx10

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

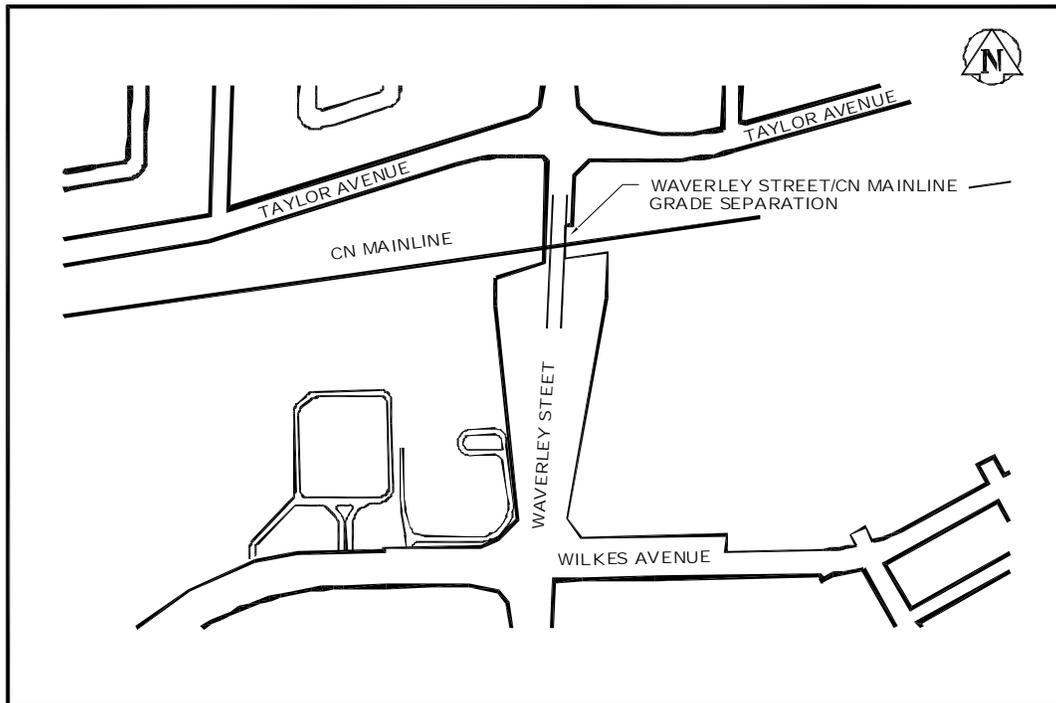
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	1,119	-	-	-	1,119	1,119
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				1,119				1,119	1,119

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	951	168	-	-	-	1,119
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			951	168				1,119

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			58
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			31
<b>SURPLUS/(DEFICIT)</b>	-	-	27

**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.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **Louise Bridge (Red River) Rehabilitation or Replacement**

Department: Public Works  
 Project: 180500xx13

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

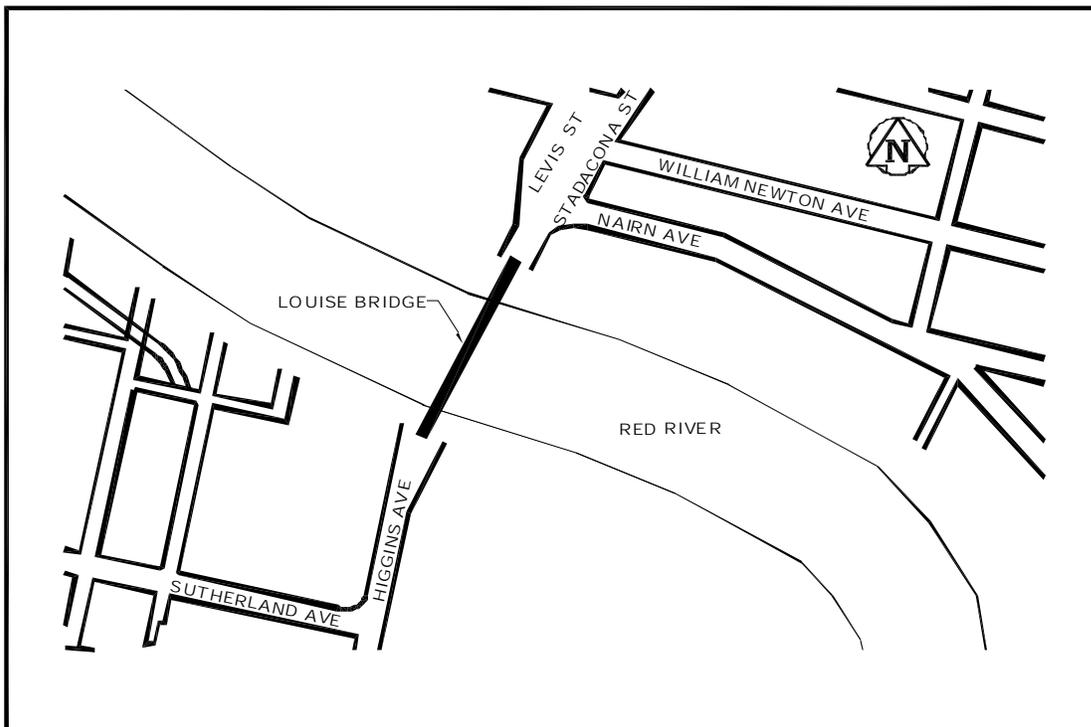
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	-	1,581	1,581
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)								1,581	1,581

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	-	237	1,581
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)						1,344	237	1,581

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

2013 - Project budget shown is to undertake preliminary engineering. A full rehabilitation of the existing 2 lane bridge is estimated at \$22,000,000. A replacement project with a 4 lane bridge will be in the \$60,000,000 range.



# PUBLIC WORKS - GENERAL CAPITAL FUND

Project Name: **Pembina Highway Underpass**

Department: Public Works  
Project: 180500xx13

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

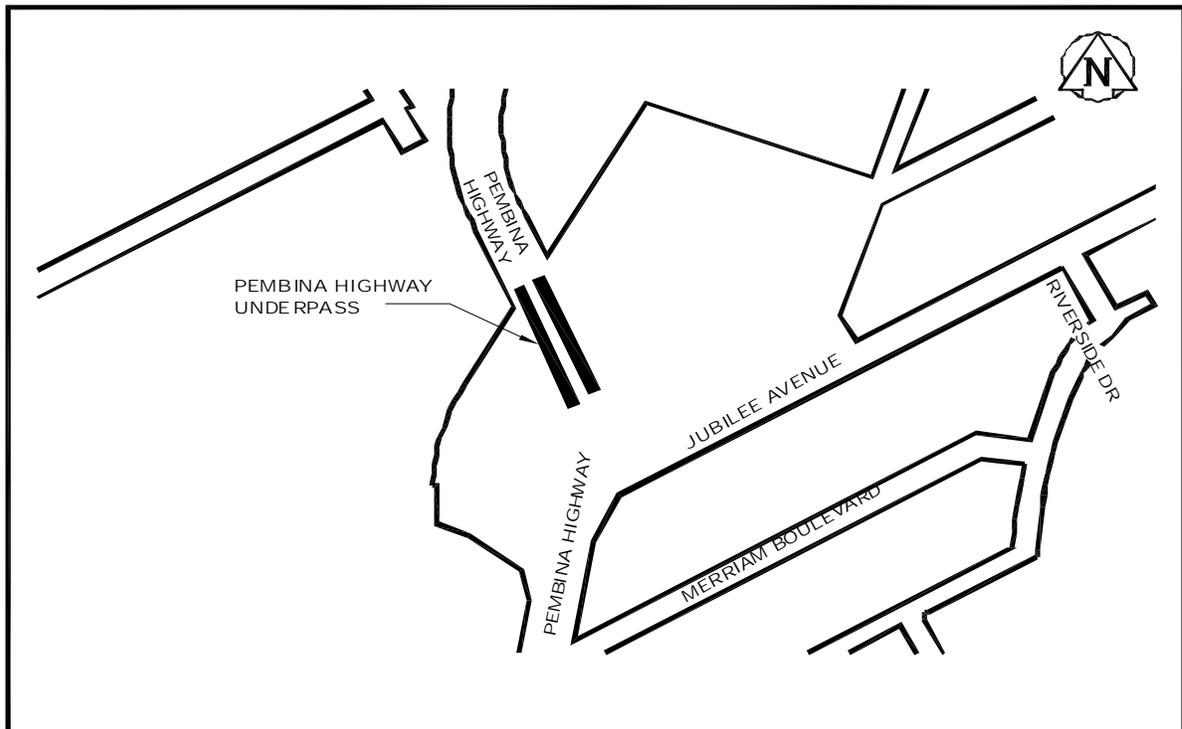
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	6,323	6,323	6,323
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)							6,323	6,323	6,323

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	5,375	948	6,323
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)						5,375	948	6,323

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

2013 - Widen northbound to 3 lanes. Construct pedestrian access through the CN Rail Embankment. Improve land drainage/pumping and reconstruct pavement in both directions. Additional funding will be required beyond 2013.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 180500xx13

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

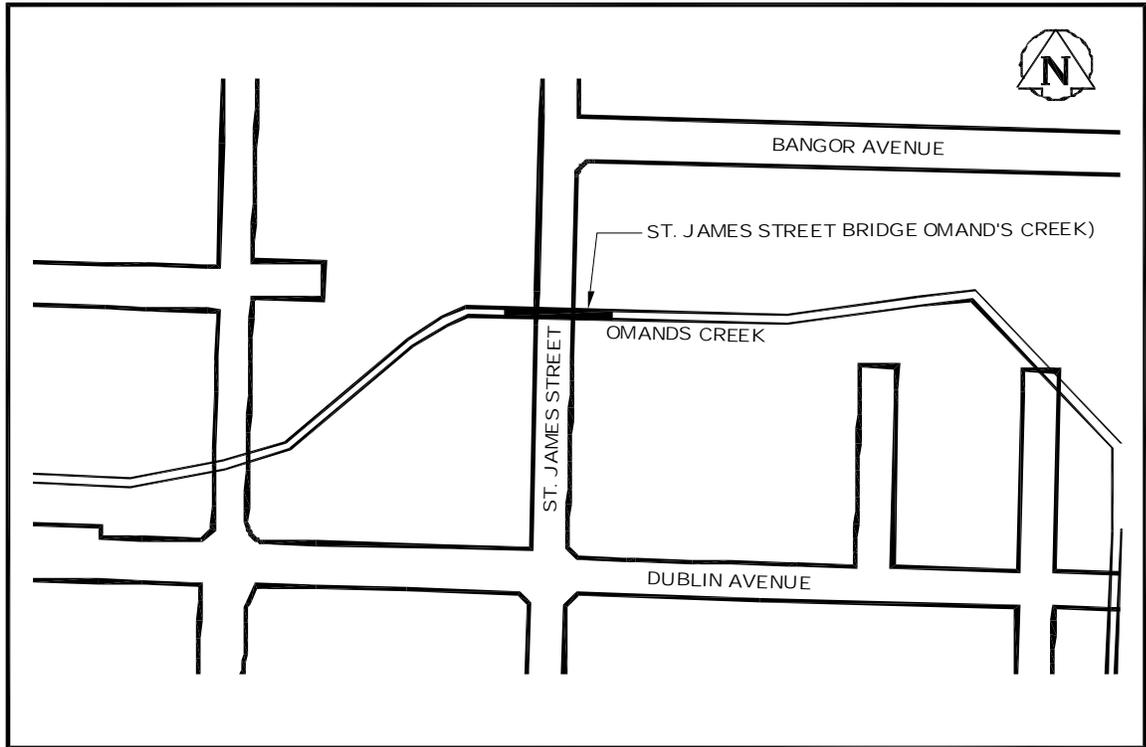
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	-	3,161	3,161
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)								3,161	3,161

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	-	474	3,161
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)						2,687	474	3,161

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

2013 - Rehabilitation of the single span bridge over Omand's Creek.



# PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 180500xx13

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

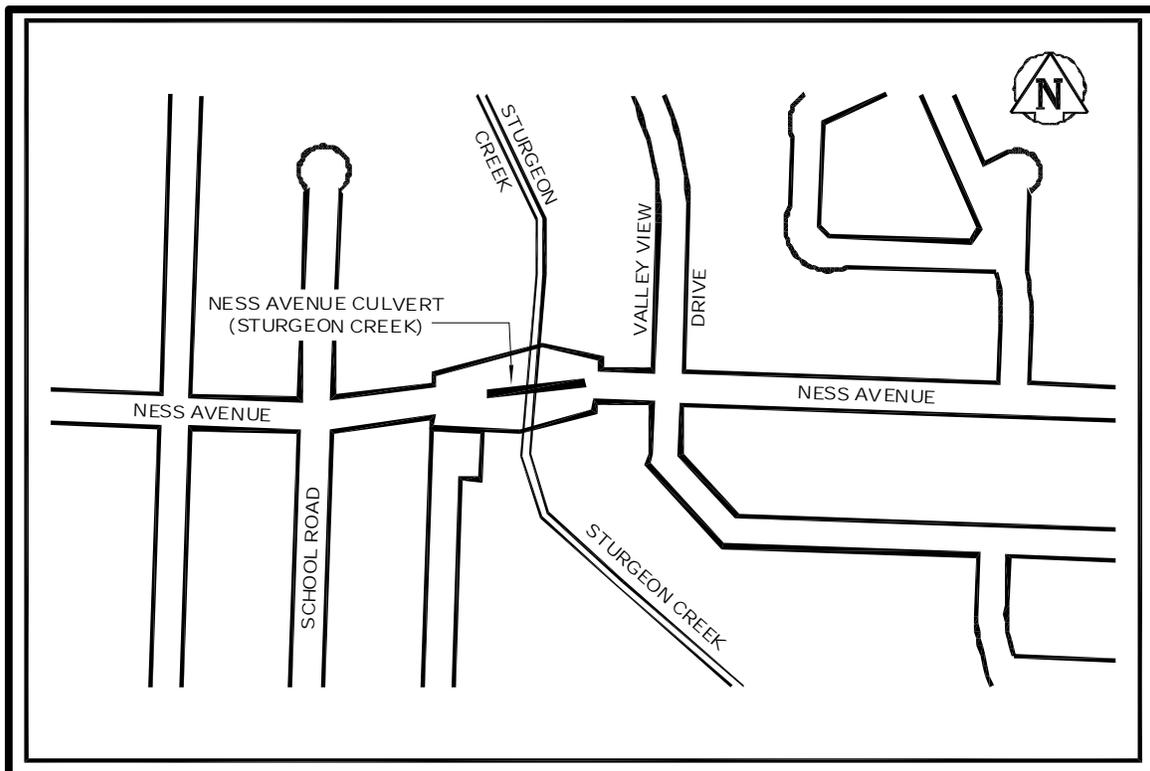
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	3,161	3,161	3,161
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)							3,161	3,161	3,161

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	2,687	474	3,161
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)						2,687	474	3,161

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

Replace existing structure with a new bridge. Undertake preliminary and detailed engineering in 2013. Additional funding will be required beyond 2013.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 1805000108

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	102	120	120
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	47	210	400
<b>SURPLUS/(DEFICIT)</b>	55	(90)	(280)

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

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

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

# PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 1805000203

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	96,311	38,000	2,000	2,000	-	-	-	4,000	42,000
Financed by:									
Public Private Partnership		34,000						-	34,000
Cash to Capital (Equity in Capital Assets Fund)		4,000	2,000	2,000				4,000	8,000
Federal Gas Tax				13,862	13,862	13,862	13,862	55,448	55,448
Public Private Partnership Lease Payments				(13,862)	(13,862)	(13,862)	(13,862)	(55,448)	(55,448)

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	4,000	2,000	15,862	13,862	13,862	13,862	360,412	423,860
Financed by:								
Cash to Capital (Equity in Capital Assets Fund) See Note	4,000	2,000	2,000					8,000
Federal Gas Tax			13,862	13,862	13,862	13,862	360,412	415,860

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	240	120	952
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	110	406	596
<b>SURPLUS/(DEFICIT)</b>	130	(286)	356

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

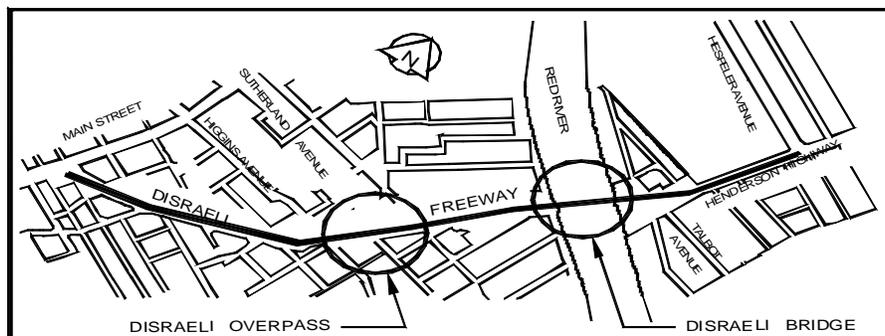
Undertake a full rehabilitation of river bridge, overpass, and related roadworks.

Previous budgets include \$2.0 million for procurement costs. Additional cash to capital funding is required for procurement, administration, internal contract works, and property acquisition in 2008 to 2010.

Lease payments in 2010, 2011, 2012, 2013, and beyond assume a payment schedule which includes an annual maintenance charge.

Funding shown is based on the minimum concept recommended by Public Works Department. Public consultation with key stakeholders to date favour concepts that provide wider shoulders and sidewalks for cyclists and pedestrians.

Public Private Partnership funding includes street, intersection, and signal improvements at various off-site locations to ensure detours will work as efficiently as possible. This work is planned to be funded from cash to capital and will be undertaken in 2008 during the P3 procurement process to ensure traffic is restored on the bridge by 2010.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 1805000207

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

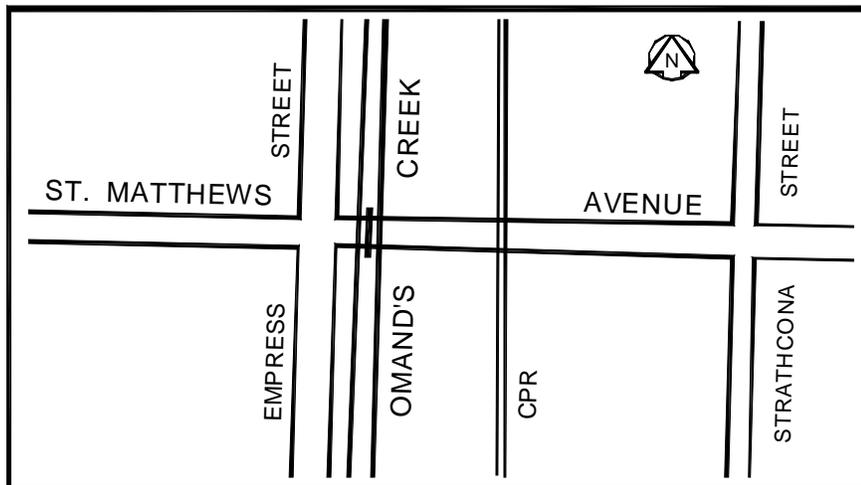
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	200	-	1,792	-	-	-	-	1,792	1,792
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			192					192	192
Federal Gas Tax			1,600					1,600	1,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	1,792	-	-	-	-	-	1,792
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		192						192
Federal Gas Tax		1,600						1,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		108	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		6	18
<b>SURPLUS/(DEFICIT)</b>	-	101	(18)

**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.



# PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 180500xx07

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

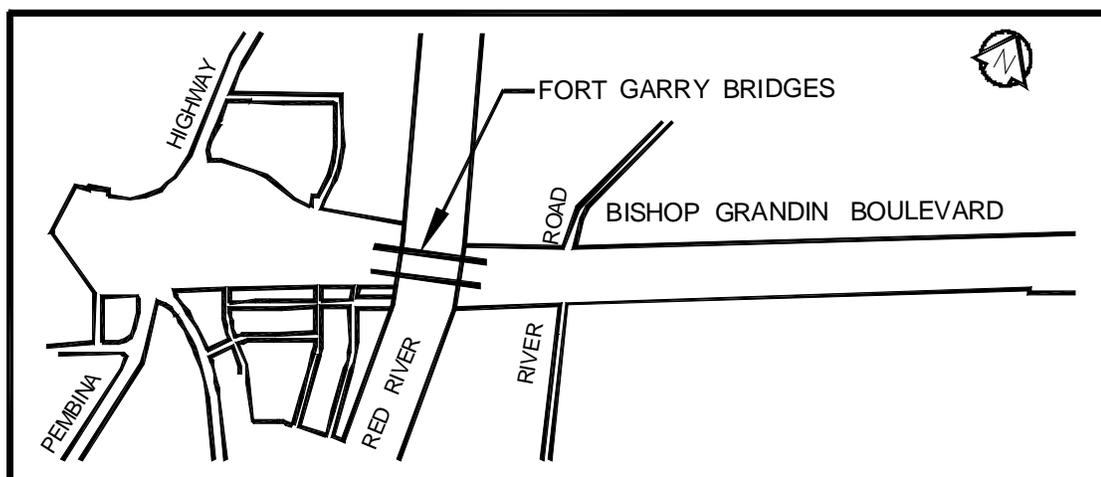
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,000	10,238	7,840	-	-	-	-	7,840	18,078
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		10,238	1,140					1,140	11,378
Federal Gas Tax			6,700					6,700	6,700

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	10,238	7,840	-	-	-	-	-	18,078
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	10,238	1,140						11,378
Federal Gas Tax		6,700						6,700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	614	470	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	282	909	981
<b>SURPLUS/(DEFICIT)</b>	<b>332</b>	<b>(439)</b>	<b>(981)</b>

**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.



**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **Charleswood Bridge**

Department: Public Works  
 Project: 180500XX08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,478	1,478	1,478	1,478	1,478	1,478	7,390	8,868
Public Private Partnership Lease Payments		(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(7,390)	(8,868)

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,478	1,478	1,478	1,478	1,478	1,478	16,258	25,126
Financed by:								
Cash to Capital (Equity in Capital Assets Fund) See Note	1,478	1,478	1,478	1,478	1,478	1,478	16,258	25,126

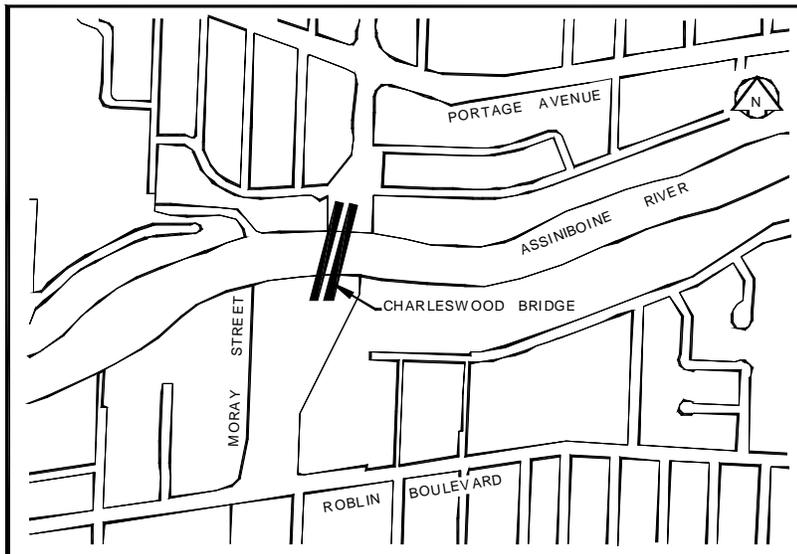
NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	89	89	89
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	41	174	315
<b>SURPLUS/(DEFICIT)</b>	<b>48</b>	<b>(85)</b>	<b>(226)</b>

**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 2013 equals payments to 2024.



# PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 180100XX07

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,300	62,000	2,000	-	-	-	-	2,000	64,000
Financed by:									
Public Private Partnership		60,000						-	60,000
Cash to Capital (Equity in Capital Assets Fund)		2,000	2,000					2,000	4,000
Federal Gas Tax				1,353	5,415	5,415	5,415	17,598	17,598
Public Private Partnership Lease Payments				(1,353)	(5,415)	(5,415)	(5,415)	(17,598)	(17,598)

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,000	2,000	1,353	5,415	5,415	5,415	144,852	166,450
Financed by:								
Cash to Capital (Equity in Capital Assets Fund) See Note	2,000	2,000						4,000
Federal Gas Tax			1,353	5,415	5,415	5,415	144,852	162,450

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	120	120	81
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	55	235	361
<b>SURPLUS/(DEFICIT)</b>	65	(115)	(280)

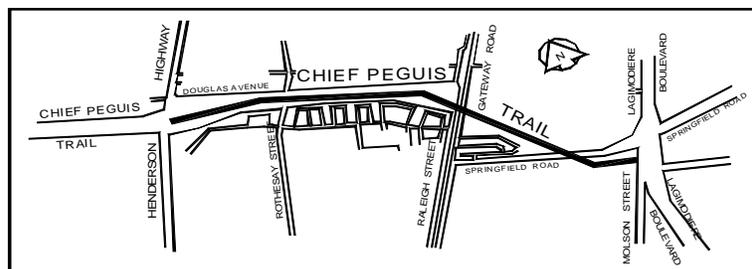
**Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges

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.

Previous budgets for conceptual design analysis. Cash to capital funding is required for procurement, administration, internal contract works, and property acquisition in 2008 and 2009.

Lease payments in 2010, 2011, 2012, 2013, and beyond assume a payment schedule which includes an annual maintenance charge.

Construction is scheduled over a two year period in 2009 and 2010.



## PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 1812000108

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		100	100	100	100	100	100	500	600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	85	100	100	100	100	100	15	600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	85	100	100	100	100	100	15	600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	6	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	2	10	20
<b>SURPLUS/(DEFICIT)</b>	<b>4</b>	<b>(4)</b>	<b>(14)</b>

**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.

**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **Land Drainage Sewers - Regional / Local Streets**

Department: Public Works  
 Project: 1813000108

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	200	150	150	150	150	150	750	950
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		200	150	150	150	150	150	750	950

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	170	158	150	150	150	150	22	950
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	170	158	150	150	150	150	22	950

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	10	10	10
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	5	20	34
<b>SURPLUS/(DEFICIT)</b>	5	(10)	(24)

**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.

**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
Project: 1815000107

Capital Priority Rating: 3 - 2  
Service: Roadway Snow Removal and Ice Control

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,000	1,300	-	-	-	-	-	-	1,300
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,300						-	1,300

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,300	-	-	-	-	-	-	1,300
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,300							1,300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	78		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	36	111	111
<b>SURPLUS/(DEFICIT)</b>	42	(111)	(111)

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

The facility will be constructed in 2008 in conjunction with the Public Works 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.

**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 1832000XX8

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	324	-	-	-	-	-	-	324
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		324						-	324

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	324	-	-	-	-	-	-	324
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	324							324

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	19		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	9	28	28
<b>SURPLUS/(DEFICIT)</b>	11	(28)	(28)

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

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

## PUBLIC WORKS - GENERAL CAPITAL FUND

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

Department: Public Works  
Project: 1814000108

Capital Priority Rating: 2 - 3  
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,250	350	250	250	250	250	250	1,250	1,600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		350	250	250	250	250	250	1,250	1,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	298	265	250	250	250	250	37	1,600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	298	265	250	250	250	250	37	1,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	18	16	16
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	8	34	59
<b>SURPLUS/(DEFICIT)</b>	10	(18)	(43)

**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).

## PUBLIC WORKS - GENERAL CAPITAL FUND

Project Name: **Reforestation - Improvements**

Department: Public Works  
Project: 1850000108

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	383	383	383	383	433	383	1,965	2,348
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		383	383	383	383	433	383	1,965	2,348

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	326	383	383	383	426	390	57	2,348
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	326	383	383	383	426	390	57	2,348

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	20	22	22
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	9	40	77
<b>SURPLUS/(DEFICIT)</b>	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.

## PUBLIC WORKS - GENERAL CAPITAL FUND

Project Name: **Athletic Fields - Improvements**

Department: Public Works  
Project: 185200xx08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	10	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	5	21	40
<b>SURPLUS/(DEFICIT)</b>	<b>5</b>	<b>(9)</b>	<b>(28)</b>

**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:	2008	2009	2010	2011	2012	2013	Total
Southdale C.C. - baseball diamonds	100						100
Grant Park Athletic Fields	100						100
Bord Aire Community Centre		30					30
John Blumberg		50					50
Burland Park		60					60
Ed Shindleman		60					60
Athletic Field Upgrading - Various			200	200	200	200	800
	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>1,200</b>

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

## PUBLIC WORKS - GENERAL CAPITAL FUND

Project Name: **Parks - Improvements**

Department: Public Works  
Project: 185300xx08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	1,250	900	808	262	617	677	3,264	4,514
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,250	900	808	262	617	677	3,264	4,514

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,062	953	822	344	564	668	101	4,514
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,062	953	822	344	564	668	101	4,514

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	64	58	50
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	29	121	208
<b>SURPLUS/(DEFICIT)</b>	<b>35</b>	<b>(63)</b>	<b>(158)</b>

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

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

Funds will be allocated to:	2008	2009	2010	2011	2012	2013	Total
Kildonan Park and Peguis Pavilion Upgrading	1,000	900	200				2,100
Kirkbridge Park	250						250
Assiniboine River Walk			408				408
Whittier Park			200				200
Lawn Bowling - various locations				150			150
Various locations				112	617	677	1,406
	<b>1,250</b>	<b>900</b>	<b>808</b>	<b>262</b>	<b>617</b>	<b>677</b>	<b>4,514</b>

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

**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **Playground Structures**

Department: Public Works  
 Project: 1855000108

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	1,750	1,750	1,750	1,750	1,800	1,800	8,850	10,600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,750	1,750	1,750	1,750	1,800	1,800	8,850	10,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,488	1,750	1,750	1,750	1,793	1,800	269	10,600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,488	1,750	1,750	1,750	1,793	1,800	269	10,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	90	106	106
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	41	184	350
<b>SURPLUS/(DEFICIT)</b>	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:	2008	2009	2010	2011	2012	2013	Total
Parks & Playground Structures City-wide	<b>1,750</b>	<b>1,750</b>	<b>1,750</b>	<b>1,750</b>	<b>1,800</b>	<b>1,800</b>	<b>10,600</b>

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

**PUBLIC WORKS - GENERAL CAPITAL FUND**

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

Department: Public Works  
 Project: 185600xx08

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	150	150	150	-	-	150	150	450	600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		150	150			150	150	450	600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	127	150	23	-	127	150	23	600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	127	150	23		127	150	23	600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	8	9	2
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	3	16	26
<b>SURPLUS/(DEFICIT)</b>	<b>4</b>	<b>(7)</b>	<b>(24)</b>

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

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

**PUBLIC WORKS - GENERAL CAPITAL FUND**

Project Name: **Community Park Amenities**

Department: Public Works  
Project: 1855000108

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,500	1,500	1,500	1,500	1,500	1,500	-	9,000
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,500	1,500	1,500	1,500	1,500	1,500		9,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	90	90	90
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	41	177	319
<b>SURPLUS/(DEFICIT)</b>	49	(87)	(229)

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

Improvement of park amenities at various locations.

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

## CORPORATE FINANCE - GENERAL CAPITAL FUND

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

Department: Corporate Finance  
Project: 1220xxxx06

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	3,794	1,600	1,600	1,600	1,600	1,600	8,000	11,794
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		906	225	80	80	80	80	545	1,451
Interim Financing	745	(600)	(145)					(145)	(745)
External Debt		3,488	1,520	1,520	1,520	1,520	1,520	7,600	11,088

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	3,225	1,929	1,600	1,600	1,600	1,600	240	11,794
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	860	259	80	80	80	80	12	1,451
Interim Financing	(600)	(145)						(745)
External Debt	2,965	1,815	1,520	1,520	1,520	1,520	228	11,088

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	194	116	96
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	89	337	510
<b>SURPLUS/(DEFICIT)</b>	105	(221)	(414)

**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.

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

Project Name: **Community Incentive Grant Program**

Department: Community Services Capital Priority Rating: 1 - 2

Project: 62510001yy

Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	1,421	1,449	1,478	1,508	1,538	1,569	7,542	8,963
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,421	1,449	1,478	1,508	1,538	1,569	7,542	8,963

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,421	1,449	1,478	1,508	1,538	1,569	-	8,963
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,421	1,449	1,478	1,508	1,538	1,569		8,963

NET OPERATING IMPACT	2007	2008	2009
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	39	182	321
<b>SURPLUS/(DEFICIT)</b>	(39)	(182)	(321)

**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.

On January 25, 2007, Council, with approval of the 2007 - 2012 five year Capital budget program, has requested and built-in a 2% annual increase to the Community Incentive Grant Program.

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

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

Project Name: **Library Replacement - Various**

Department: Community Services Capital Priority Rating: 1 - 2

Project: 62130001yy Service: Libraries

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,271	-	3,000	2,000	-	4,000	2,000	11,000	11,000
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			3,000	2,000		4,000	2,000	11,000	11,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	3,000	2,000	-	4,000	2,000	-	11,000
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		3,000	2,000		4,000	2,000		11,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		98	351
<b>SURPLUS/(DEFICIT)</b>	-	(98)	(351)

**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.

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

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

Department: Community Services Capital Priority Rating: 1 - 2

Project: 62110005yy

Service: Libraries

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	500	-	-	200	500	1,200	1,200
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			500			200	500	1,200	1,200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	500	-	-	200	500	-	1,200
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		500			200	500		1,200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		16	48
<b>SURPLUS/(DEFICIT)</b>	-	(16)	(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, in order to ensure that library facilities remain welcoming spaces for the changing needs of library users.

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

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

Department: Community Services

Capital Priority Rating: 1 - 2

Project: 62600001yy

Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	750	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				500				500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			500					500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			16
<b>SURPLUS/(DEFICIT)</b>	-	-	(16)

**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 Community Resource Area (CRA) Phase of the Integrated Property-Based Systems Capital Program. The project will build infrastructure (e.g., 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.

**COMMUNITY SERVICES - GENERAL CAPITAL FUND**

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

Department: Community Services Capital Priority Rating: 3 - 2

Project: Department 622xxxxxyy

Service: Insect Control

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	160	160	160	-	-	-	320	480
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		160	160	160				320	480

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	4	20	36
<b>SURPLUS/(DEFICIT)</b>	(4)	(20)	(36)

**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.

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

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

Department: Community Services Capital Priority Rating: 1 - 2

Project: 621xxxxxyy

Service: Libraries

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	1,250	-	-	-	300	1,000	1,300	2,550
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,250				300	1,000	1,300	2,550

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,250	-	-	-	300	1,000	-	2,550
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,250				300	1,000		2,550

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	34	119	119
<b>SURPLUS/(DEFICIT)</b>	<b>(34)</b>	<b>(119)</b>	<b>(119)</b>

**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, and undertaking minor and major renovation projects in order to improve library facilities abilities to meet the changing needs of library users.

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

Project Name: **Imaging and Document Management**

Department: Community Services Capital Priority Rating: 1 - 2

Project: 626xxxxxyy

Service: Community Services - Other

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		8	32
<b>SURPLUS/(DEFICIT)</b>	-	(8)	(32)

**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 peerless 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 would expect administrative efficiencies in the area of reduced paper costs and reduced physical and electronic storage space costs.

The Director of Community Services is providing leadership to the corporate initiative on Electronic Document and Records Management Storage. The key objective of this project is to manage information through one comprehensive system that provides full information accessibility at one source or alternatively through one interface and is based on a sound foundation of technology and records and information management principles. This will enhance decision making and other business processes related to all aspects of service delivery to the public.

**COMMUNITY SERVICES - GENERAL CAPITAL FUND**

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

Department: Community Services Capital Priority Rating: 1 - 2

Project: 621xxxxxy Service: Libraries

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				500				500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			500					500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			16
<b>SURPLUS/(DEFICIT)</b>	-	-	(16)

**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 to replace the hardware platform for the automated library system and upgrade associated library system (Horizon) software components.

**COMMUNITY SERVICES - GENERAL CAPITAL FUND**

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

Department: Community Services Capital Priority Rating: 1 - 2

Project: 62500001yy Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	400	400	600	300	-	400	400	1,700	2,100
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		400	600	300		400	400	1,700	2,100

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	400	600	300	-	400	400	-	2,100
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	400	600	300		400	400		2,100

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	11	58	105
<b>SURPLUS/(DEFICIT)</b>	(11)	(58)	(105)

**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, 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 amenities 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).

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.

2013 Funding: Continuing evaluation and addition of security systems providing building perimeter entry security and visual surveillance of facilities to ensure both patron and staff security. Ongoing replacement of outdated and worn out fitness equipment to meet the program needs of patrons.

**COMMUNITY SERVICES - GENERAL CAPITAL FUND**

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

Department: Community Services Capital Priority Rating: 1 - 2

Project: 621xxxxxyy

Service: Libraries

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	200	200	400	400
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)						200	200	400	400

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	200	200	-	400
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)					200	200		400

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

Project Name: **New Recreation and Leisure Facility Equipment Program**

Department: Community Services Capital Priority Rating: 1 - 2

Project: 62510001yy

Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	400	400	-	-	-	-	400	800
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		400	400					400	800

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	400	400	-	-	-	-	-	800
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	400	400						800

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	11	51	76
<b>SURPLUS/(DEFICIT)</b>	(11)	(51)	(76)

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

On June 29, 2005, Council approved \$43 million for recreation and leisure facilities. A capital project is needed to purchase recreation equipment to meet the program needs of patrons in new and/or expanded facilities that cannot be supported within the existing operating budget. These facilities include the North End Recreation and Leisure Facility, Kildonan Park Urban Oasis, and Cindy Klassen Recreation Centre.

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

Project Name: **Business Application Systems**

Department: Community Services

Capital Priority Rating: 1 - 2

Project: 626xxxxxyy

Service: Community Services - Other

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	250	250	250
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)							250	250	250

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	250	-	250
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)						250		250

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

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

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

Project Name: **Sports Facility Program**

Department: Community Services

Capital Priority Rating: 1 - 2

Project: 625xxxxxyy

Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	40	-	-	-	-	-	-	40
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		40						-	40

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	40	-	-	-	-	-	-	40
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	40							40

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	1	4	4
<b>SURPLUS/(DEFICIT)</b>	(1)	(4)	(4)

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

Funding for the Sports Facility Program was the result of tripartite agreement involving the City of Winnipeg, the Province of Manitoba, and Sport Manitoba. The Province of Manitoba and Sport Manitoba contributed their shares up front. Any projects that are funded from these funds must be approved by all three parties. Reimbursement for qualifying projects is made only after paid invoices are submitted by groups receiving funding approval.

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

## COMMUNITY SERVICES - GENERAL CAPITAL FUND

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

Department: Community Services

Capital Priority Rating: 1 - 2

Project: 62300001yy

Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	-	2,000	2,000	2,000	2,000	3,000	11,000	11,000
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			2,000	2,000	2,000	2,000	3,000	11,000	11,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	2,000	2,000	2,000	2,000	3,000	-	11,000
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		2,000	2,000	2,000	2,000	3,000		11,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		65	255
<b>SURPLUS/(DEFICIT)</b>	-	(65)	(255)

**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 and replace animal enclosures.

Specific enhancements for the Assiniboine Park are as follows:

- Conservatory greenhouse repairs, upgrades, automated system installation
- Annual sewer and water line repair and replacement in the 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, accessibility and 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, rehab riparian forest area
- Landscaping, drainage and siteline improvements around the Duck Pond
- Security and aesthetic fencing around the English Garden and Leo Mol Garden areas

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

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

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

Department: Winnipeg Police Service      Capital Priority Rating: 3 - 3  
 Project: 2200000110      Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	616	-	-	-	616	616
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				616				616	616

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	616	-	-	-	-	616
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			616					616

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

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

Department: Winnipeg Police Service  
Project: 2200000409

Capital Priority Rating: 3 - 4  
Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	336	-	-	-	-	336	336
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			336					336	336

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	336	-	-	-	-	-	336
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		336						336

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

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

Department: Winnipeg Police Service  
Project: 2200000308

Capital Priority Rating: 3 - 4  
Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	2,400	1,815	4,683	-	-	-	6,498	8,898
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		2,400	1,815	4,683				6,498	8,898

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,400	1,815	4,683	-	-	-	-	8,898
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	2,400	1,815	4,683					8,898

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Wireless Emergency 911 Upgrade**

Department: Winnipeg Police Service  
 Project: 2200000608

Capital Priority Rating: 3 - 4  
 Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	260	-	-	-	260	260
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				260				260	260

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	260	-	-	-	-	260
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			260					260

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 affect 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.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

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

Department: Winnipeg Police Service  
Project: 2200000711

Capital Priority Rating: 3 - 3  
Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	500	-	-	500	500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)					500			500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	500	-	-	-	500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)				500				500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

A new Automated Fingerprint Identification System (AFIS) will be installed late 2007. Life expectancy of equipment is estimated to be around 5 to 6 years. The system hardware will become obsolete and subject to reduced and/or withdrawn maintenance support. The available maintenance will be more costly as the system ages.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Police Priority Dispatch System**

Department: Winnipeg Police Service  
 Project: 2200000810

Capital Priority Rating: 3 - 3  
 Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	427	-	-	-	427	427
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				427				427	427

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	427	-	-	-	-	427
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			427					427

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 in-depth review of the Winnipeg Police Service Communication Centre. The expected useful life of this project is 25 years.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Outdoor Shooting Range**

Department: Winnipeg Police Service  
Project: 633100xx10

Capital Priority Rating: 3 - 3+2  
Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	700	896	-	-	-	-	896	1,596
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		700	896					896	1,596

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	700	896	-	-	-	-	-	1,596
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	700	896						1,596

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	21		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		67	
<b>SURPLUS/(DEFICIT)</b>	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, and since the shooting range is located within the Waverley West area, it will have to be relocated.

## WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Central Processing Unit**

Department: Winnipeg Police Service  
Project: 633100xx10

Capital Priority Rating: 3 - 3+2  
Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	4,188	-	-	-	4,188	4,188
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				4,188				4,188	4,188

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	4,188	-	-	-	-	4,188
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			4,188					4,188

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

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

Department: Winnipeg Police Service      Capital Priority Rating: 3 - 2  
 Project: 22XXXXXXXXY      Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	2,108	768	-	-	7,611	8,220	16,599	18,707
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		2,108	768			7,611	8,220	16,599	18,707

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,108	768	-	-	7,611	8,220	-	18,707
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	2,108	768			7,611	8,220		18,707

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	302		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	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 defensible information.

The existing facility needs to be updated for emerging health and safety requirements and standards for preserving the integrity of evidence, and to provide for increased volume.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Winnipeg Police Service Communications**

Department: Winnipeg Police Service  
 Project: 22XXXXXXXXXX

Capital Priority Rating: 3 - 3  
 Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	7,193	-	-	7,193	7,193
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)					7,193			7,193	7,193

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	7,193	-	-	-	7,193
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)				7,193				7,193

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

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

1. A change from the current Winnipeg Police Service (WPS) wireless data network to a Mesh Network Solution;
2. Replacement of the existing phone system;
3. Miscellaneous upgrades related to the 911 alternate site. Legislation requires the WPS to provide an alternate communication backup site to ensure continued service should equipment fail during an emergency. Specifically, legislation requires that every Public Safety Answering Point (PSAP) service must have a facility that (a) has a risk assessment carried out in accordance with guidelines approved by the Minister; and (b) can, within one hour, be operational as a PSAP facility to the extent of 80% of the capacity of the PSAP service's primary PSAP facility.

# WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Digital Recording - Interview rooms**

Department: Winnipeg Police Service  
Project: 22XXXXXXXXY

Capital Priority Rating: 3 - 3  
Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	323	-	323	323
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)						323		323	323

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	323	-	-	323
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)					323			323

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

This project is to replace an outdated PC based digital system required for recording interviews. This was a legislated requirement that occurred in 2005 which will see current equipment obsolete by 2012. There is a potential for the requirement that videotaping will even expand in scope as only videotaping is now required in interview rooms.

## WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

Project Name: **Police Building Replacement**

Department: Winnipeg Police Service  
Project: 633100xx10

Capital Priority Rating: 3 - 3+2  
Service: Police Response

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	29,380	29,145	-	-	-	-	-	-	29,145
Financed by:									
Public Private Partnership		32,895						-	32,895
Cash to Capital (Equity in Capital Assets Fund)		(3,390)	1,081	1,609	3,185	4,243	4,296	14,414	11,024
Public Private Partnership Lease Payments		(360)	(1,081)	(1,609)	(3,185)	(4,243)	(4,296)	(14,414)	(14,774)
<b>CASH FLOW</b>		<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>Beyond 2013</b>	<b>Total</b>
Project Costs (\$000's)		(3,390)	1,081	1,609	3,185	4,243	4,296	156,533	167,557
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		(3,390)	1,081	1,609	3,185	4,243	4,296	156,533	167,557

The 2007 Adopted Capital Budget and 2008 to 2012 Five-Year Forecast approved by Council on January 7, 2007 included estimated budget required to procure two district stations including, potentially, property and purchase the necessary furniture and special equipment needed at the Police Stations.

On July 18, 2007, Council approved the award of a public-private partnership (P3) contract for the development and operation of the East District Police Station.

The above estimates have been prepared by the Public Service based on the P3 contract for the East District Police Station, estimated procurement, furniture and special equipment costs, and include estimated construction inflation and timelines for the development of the West and North District Police Stations.

Note that the above annual cash flow estimates represent lease payments and include technical maintenance, but not utility and other operating maintenance expenses. This capital detail sheet was prepared by Planning, Property and Development, and was formally called the Four District Model Building Replacement.

# FIRE PARAMEDIC SERVICE - GENERAL CAPITAL FUND

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

Department: Winnipeg Fire Paramedic Service  
 Project: 21000011yy

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	1,792	-	2,600	-	840	850	4,290	6,082
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,792		2,600		840	850	4,290	6,082

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	592	1,200	500	2,100	400	840	450	6,082
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	592	1,200	500	2,100	400	840	450	6,082

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	12	80	181
<b>SURPLUS/(DEFICIT)</b>	<b>(12)</b>	<b>(80)</b>	<b>(181)</b>

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

This project represents a consolidation of all station relocations, facilities improvements, and replacements. Winnipeg Fire Paramedic Service (WFPS) is completing the replacement of Station #21 (Pandora Avenue West) from previously approved capital funding. Phase 1 of the replacement of Station #4 (Stradbrook and Osborne) was approved in 2006, however, infrastructure needs and priorities for building of stations have changed, and it is now envisioned that a replacement for Station #11 (200 Berry) will be the next build. A combination of part of the money approved in 2006 for Station #4 and the proposed budget for 2008 will be utilized for this station. Station #4 is to be deferred to a later date.

Funds will be allocated to:	2008	2009	2010	2011	2012	2013	Total
Station #11 Replacement							
Phase 2 - construction		1,792					1,792
Pump and Aerial Test Facility			300				300
Station # 12 Replacement							
Design and construction			2,300				2,300
Station # 18 Replacement							
Phase 1 - design and construction					840		840
Phase 2 - construction						850	850
	<b>1,792</b>	<b>-</b>	<b>2,600</b>	<b>-</b>	<b>840</b>	<b>850</b>	<b>6,082</b>

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

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

Project Name: **Computer Automation**

Department: Planning, Property and  
Development  
Project: 6361000408

Capital Priority Rating: 3 - 3

Service: Planning Property and Development - Other

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	185	165	200	200	200	200	965	1,150
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		185	165	200	200	200	200	965	1,150

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	185	165	200	200	200	200	-	1,150
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	185	165	200	200	200	200		1,150

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	6	5	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		18	33
<b>SURPLUS/(DEFICIT)</b>	6	(13)	(27)

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

This is an on going office automation 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. Organizational performance improvements in areas of efficiency and quality would result from project activities such as the purchase and implementation (including initial training) of new software and hardware, process re-engineering, value-stream mapping, replacement of legacy systems (migration from no longer supported software), and integration of parallel but related systems.

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.

**PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND**

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

Department: Planning, Property and

Capital Priority Rating: 3 - 2+2

Development

Project: 6321100108

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	328	500	500	500	500	500	2,500	2,828
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		328	500	500	500	500	500	2,500	2,828

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	328	500	500	500	500	500	-	2,828
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	328	500	500	500	500	500		2,828

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	9	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		31	79
<b>SURPLUS/(DEFICIT)</b>	9	(16)	(64)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND**

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

Department: Planning, Property and Development  
 Project: 6351300108

Capital Priority Rating: 1 - 2

Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	893	465	522	385	403	551	381	2,242	2,707
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		465	522	385	403	551	381	2,242	2,707

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	465	522	385	403	551	381	-	2,707
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	465	522	385	403	551	381		2,707

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	14	15	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		44	94
<b>SURPLUS/(DEFICIT)</b>	14	(29)	(82)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND**

Project Name: **Cemeteries - Improvements**

Department: Planning, Property and Development  
 Project: 6322100108

Capital Priority Rating: 1 - 3

Service: Cemeteries

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,016	250	-	-	-	100	100	200	450
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		250				100	100	200	450

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	250	-	-	-	100	100	-	450
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	250				100	100		450

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	7		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		24	24
<b>SURPLUS/(DEFICIT)</b>	7	(24)	(24)

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

These funds are used for miscellaneous improvements to Brookside and St. Vital Cemeteries including roadway, resurfacing, drainage improvements, and tree planting.

In addition, the Capital funds are required for the purchase and installation of columbaria and other cremation interment facilities at City cemeteries. In the past the investment in columbaria units has generated revenues in excess of 200% of the investment sum. The current inventories of columbaria at Brookside and St. Vital cemeteries will be depleted by the end of 2007 and many customers are waiting to make purchases following new installations.

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

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

Department: Planning, Property and  
Development  
Project: 6351300208

Capital Priority Rating: 3 - 4

Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,200	1,500	1,000	1,000	1,000	1,000	1,000	5,000	6,500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		1,500	1,000	1,000	1,000	1,000	1,000	5,000	6,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,500	1,000	1,000	1,000	1,000	1,000	-	6,500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,500	1,000	1,000	1,000	1,000	1,000		6,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	44	29	29
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		143	238
<b>SURPLUS/(DEFICIT)</b>	44	(114)	(209)

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

Riverbank stabilization of St. Vital Park was scheduled for completion under this project in 2007, however, \$1.0 million was accessed from this Planning, Property and Development project for Pembina Highway and Grandmont Blvd riverbank stabilization project of the Public Works Department as a "first call" against the 2007 Capital Budget (Council meeting December 6, 2007)

On January 25, 2007, Council approved that an expenditure of \$900,000 be authorized before the 2008 Capital Budget, as a first call against the 2008 Capital Budget for riverbank stabilization of St. Vital Park.

An allocation of \$1.5 million in the 2008 budget will facilitate stabilization of another priority site in the winter 2008-2009.

Additional funds are required in the 2008 capital budget as the 2007 funds were reallocated to the protection of Pembina Highway and away from the tendered work related to Bunn Creek, St. Vital Park, and St. John's Park. The additional funds are required to bring the asset protection program back into line with existing commitments and priorities.

In 2000, the riverbank stability characterization study identified stability conditions of 106 km of City owned riverbank property which comprises approximately 45% of all such property within The City of Winnipeg. Inasmuch as costs to effectively stabilize all City owned river and creek banks requires a significant funding commitment of \$80 million (2000 dollars), "first phase" priority sites were established in the report for purposes of the City implementing stabilization along the most critical sections of riverbank. Three priority sites have been stabilized to date, namely, Annabella Street to May Street (2003), St John's Park (2006), and Bunn's Creek (2006) at a total cost of approximately \$2.0 million. The remaining "first phase" priority sites are identified as follows:

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

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### Riverbank Stabilization - Physical Asset Protection (cont'd):

<b>Site</b>	<b>Amount</b>
Red River - St. Vital Park	1,749,000
Red River - Churchill Park	2,000,000
Red River - Lyndale Drive	1,445,000
Red River - Kings Park	450,000
Red River - Crescent Park	765,000
Assiniboine River - Fort Rouge Park	400,000
Red River - King's Park 2	2,720,000
Red River - Minnetonka	440,000
Seine River - Evans Avenue at Cusson Street	240,000
Assiniboine River - Granite Club/Mostyn Park	870,000
<b>Total:</b>	<b><u><u>\$11,079,000</u></u></b>

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

Project Name: **Downtown Enhancement Program**

Department: Planning, Property and Development  
 Project: 6351800108

Capital Priority Rating: 2 - 3

Service: City Beautification

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,000	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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	12	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
<b>SURPLUS/(DEFICIT)</b>	12	(26)	(64)

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

This project's objective is for aesthetic improvements and required infrastructure upgrades to the Downtown and Exchange District. It will provide enhanced 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 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.

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 development in 2007 were Millenium Library Park and Old Market Square. Priorities from 2008-2013 are Old Market Square, Manitoba Hydro Precient, Central Park, Portage Avenue Lighting Strategy, and Strategic Streetscape Enhancements.

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

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

Department: Planning, Property and Development      Capital Priority Rating: 2 - 3

Project: 6351241508      Service: City Beautification

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	12	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
<b>SURPLUS/(DEFICIT)</b>	12	(26)	(64)

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

The work focuses on the designed 6 image routes, 14 neighbourhood main streets, and 4 scenic drives. The funds will be utilized to initiate, partner and implement streetscape and open space enhancements, to promote and enhance the City of Winnipeg's image. The former Parks and Recreation Department has historically been responsible for initiatives involving streetscape landscaping and aesthetic enhancements. The Planning, Property and Development Department has taken on the responsibility to re-establish and coordinate this city-wide initiative. These 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, poles, special entry nodes, special pavement treatments, character signage, and site furniture including benches, waste receptacles, plant tree grates, information kiosks, etc.

Year 1 - Airport to Downtown/Osborne Street BIZ/Corydon Avenue BIZ/Mosaic Village/Portugese Village/West End BIZ.

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

**PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND**

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

Department: Planning, Property and Development  
 Project: 6361000109

Capital Priority Rating: 3 - 3+1

Service: Planning Property and Development - Other

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	100	-	112	-	-	-	-	112	112
Financed by: Cash to Capital (Equity in Capital Assets Fund)			112					112	112

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	112	-	-	-	-	-	112
Financed by: Cash to Capital (Equity in Capital Assets Fund)		112						112

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		3	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			11
<b>SURPLUS/(DEFICIT)</b>	-	3	(11)

**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.

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

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

Department: Planning, Property and  
Development  
Project: 6351700109

Capital Priority Rating: 1 - 2

Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	700	-	300	-	-	-	-	300	300
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			300					300	300

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	300	-	-	-	-	-	300
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		300						300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		9	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			29
<b>SURPLUS/(DEFICIT)</b>	-	9	(29)

**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.

Funds will be utilized to implement the balance of the network of docks and open space enhancements associated with the Coalition Accès Rivière - River Access Coalition (CARRAC) dock system. These developments have taken the form of riverbank stabilization, riverdock access, and support to an active transportation system.

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.

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

Project Name: **Public Art Strategy**

Department: Planning, Property and  
Development  
Project: 6351400708

Capital Priority Rating: 1 - 1

Service: City Beautification

AUTHORIZATION	Previous Budgets	2008 * Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,000	100	500	500	500	500	500	2,500	2,600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		100	500	500	500	500	500	2,500	2,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	100	500	500	500	500	500	-	2,600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	100	500	500	500	500	500		2,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		48	95
<b>SURPLUS/(DEFICIT)</b>	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. Projects implemented or underway include the Millennium Library, Vimy Ridge Park, Living Prairie Museum, Bishop Grandin Greenway, and Assiniboine Park.

Priority sites identified for public art installations 2007-2009 include St. Boniface Sculpture Garden, Redwood Bridge, John Hirsh Way, St. Boniface Museum, Old Market Square, River and Osborne, and Central Park. Sites are identified by the WAC Public Art Committee in consultation with City of Winnipeg staff and other agencies.

\* On March 26, 2008, the 2008 Operating Budget was adopted including the following recommendation, "That the \$500,000 for Public Art previously approved in the 2008 Adopted Capital Budget be reduced to \$100,000 on a one-time basis to reduce debt and finance charges in the tax-supported operating budget." This change has been reflected above.

## PLANNING PROPERTY AND DEVELOPMENT - GENERAL CAPITAL FUND

Project Name: **Building Communities**

Department: Planning, Property and  
Development  
Project: 6351200008

Capital Priority Rating: 2 - 4

Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	* 6,000	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)		1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
Manitoba Winnipeg Infrastructure Program (MWIP)		1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,000	2,000	2,000	2,000	2,000	2,000	-	12,000
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	1,000	1,000	1,000	1,000	1,000	1,000		6,000
Manitoba Winnipeg Infrastructure Program (MWIP)	1,000	1,000	1,000	1,000	1,000	1,000		6,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	29	29	29
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		95	190
<b>SURPLUS/(DEFICIT)</b>	29	(66)	(161)

**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 its final year 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.'

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations  
 Project: 63310000208

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	15		15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		48	48
<b>SURPLUS/(DEFICIT)</b>	15	(48)	(33)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **Civic Buildings - Barrier Free Access**

Department: Civic Accommodations  
 Project: 6331000611

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	300	300		-	600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)				300	300			600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **Removal of Asbestos**

Department: Civic Accommodations  
 Project: 6331000308

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	-	100	300	100	124	100	724	724
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			100	300	100	124	100	724	724

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	100	300	100	124	100	-	724
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		100	300	100	124	100		724

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		3	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			10
<b>SURPLUS/(DEFICIT)</b>	-	3	(1)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **Roof Replacement**

Department: Civic Accommodations  
 Project: 6331001708

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	500	500	800	200	200	250	1,950	2,450
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		500	500	800	200	200	250	1,950	2,450

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	500	800	200	200	250	-	2,450
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	500	500	800	200	200	250		2,450

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	15	15	24
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		48	95
<b>SURPLUS/(DEFICIT)</b>	15	(33)	(71)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations  
 Project: 6331000408

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	-	200	500	200	200	200	1,300	1,300
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			200	500	200	200	200	1,300	1,300

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	200	500	200	200	200	-	1,300
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		200	500	200	200	200		1,300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		6	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			19
<b>SURPLUS/(DEFICIT)</b>	-	6	(4)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations  
 Project: 6331000908

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	12,900	3,033	5,367	-	-	-	-	5,367	8,400
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		3,033	5,367					5,367	8,400

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	3,033	5,367	-	-	-	-	-	8,400
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	3,033	5,367						8,400

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	88	156	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		289	800
<b>SURPLUS/(DEFICIT)</b>	88	(133)	(800)

**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. Construction of the first district station facilitates the relocation (decanting) of PSB occupants during PSB cladding replacement.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **Energy Conservation**

Department: Civic Accommodations  
 Project: 6331000608

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	200	-	300	-	200	-	500	700
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		200		300		200		500	700

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	200	-	300	-	200	-	-	700
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	200		300		200			700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	6		9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		19	19
<b>SURPLUS/(DEFICIT)</b>	6	(19)	(10)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations  
 Project: 6331000108

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	200	-	-	-	-	200	-	200	200
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)						200		200	200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	200	-	-	200
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)					200			200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations  
 Project: 6331002312

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	-	-	-	-	500	-	500	500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)						500		500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	500	-	-	500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)					500			500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **Historic Building Stabilization**

Department: Civic Accommodations  
 Project: 6331000708

Capital Priority Rating: 3 - 2  
 Service: Heritage Conservation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	200	500	400	-	200	200	1,300	1,500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		200	500	400		200	200	1,300	1,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	200	500	400	-	200	200	-	1,500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	200	500	400		200	200		1,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	6	15	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		19	67
<b>SURPLUS/(DEFICIT)</b>	6	(4)	(55)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations      Capital Priority Rating: 3 - 3  
 Project: 6331000808      Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	550	400	-	900	-	200	500	1,600	2,000
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		400		900		200	500	1,600	2,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	400	-	900	-	200	500	-	2,000
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	400		900		200	500		2,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	12		26
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	38
<b>SURPLUS/(DEFICIT)</b>	12	(38)	(12)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations      Capital Priority Rating: 3 - 3  
 Project: 6331001208      Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,000	-	500	1,000	-	200		1,700	1,700
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			500	1,000		200		1,700	1,700

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	500	1,000	-	200		-	1,700
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		500	1,000		200			1,700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		15	29
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			48
<b>SURPLUS/(DEFICIT)</b>	-	15	(19)

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **Elevator and Escalator Repair**

Department: Civic Accommodations  
 Project: 633100xx10

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)			24
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	24

**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.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **510 Main Street - Generator Set Replacement**

Department: Civic Accommodations      Capital Priority Rating: 3 - 3  
 Project: 633100xx13      Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	2,700	2,700	2,700
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)							2,700	2,700	2,700

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	2,700	-	2,700
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)						2,700		2,700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

Funds set aside for replacement of depreciated tenant improvements.

The existing generator set in the City Hall complex is coming to the end of its useful life for several reasons. It was installed when the City Hall complex was constructed in 1964. Maintenance costs are rising and there is a possibility that the existing generator may not function as intended in a future power outage. Present Building Codes require additional equipment, needed for fire and life safety purposes, to be supplied with backup power from a generator. Upgrades to the fuel delivery system are also required by current Codes. Mission critical operations within the City Hall complex require backup power which exceeds the capacity of the existing generator set. These mission critical operations include the Emergency Operations Centre, Central Control, and select Corporate Information Technology computer equipment.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

Project Name: **Parking Surface Lot Repairs**

Department: Civic Accommodations  
 Project: 6331002312

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	200	200	200	200	800	800
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				200	200	200	200	800	800

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	200	200	200	200	-	800
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			200	200	200	200		800

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	6

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

Funds set aside for repair and replacement of surface parking lots for City buildings. Many of the City parking lots service public buildings such as libraries and police stations, and are in a state of disrepair.

**PLANNING PROPERTY AND DEVELOPMENT - CIVIC ACCOMMODATIONS CAPITAL FUND**

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

Department: Civic Accommodations  
 Project: 6331000508

Capital Priority Rating: 3 - 4+2  
 Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	19,942	973	-	-	-	-	-	-	973
Financed by:									
Land Operating Reserve Fund		973						-	973

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	973	-	-	-	-	-	-	973
Financed by:								
Land Operating Reserve Fund	973							973

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	28		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		93	93
<b>SURPLUS/(DEFICIT)</b>	28	(93)	(93)

**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 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.

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

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

Department: Planning Property and  
Development  
Project: 6390000108

Capital Priority Rating: 1 - 4

Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	540	500	500	500	500	500	2,500	3,040
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		540	500	500	500	500	500	2,500	3,040

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	465	500	500	500	500	500	75	3,040
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	465	500	500	500	500	500	75	3,040

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	28	30	30
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	13	56	104
<b>SURPLUS/(DEFICIT)</b>	15	(26)	(74)

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

Refurbishing and Improvements. Projects for 2008 include the following:

Roofing/Building Envelope at Garden City, Central, Varsity View and Park City West CC	500
Roofing at #1 Sir John Franklin Road	40
	<u>540</u>

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

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

Project Name: **Arenas**

Department: Planning Property and  
Development  
Project: 6391000108

Capital Priority Rating: 1 - 4

Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	26	32	32
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	12	55	105
<b>SURPLUS/(DEFICIT)</b>	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 2008 include the following:

Roofing - portions of Billy Mosienko	125
Upgrade arena access	200
Mechanical /Electrical System Component replacements - various arenas	100
Parking lot repairs / replacement - various locations	100
	525

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

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

Project Name: **Indoor Aquatic Facilities**  
 Department: Planning Property and Development  
 Project: 6392000108  
 Capital Priority Rating: 1 - 4  
 Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	2,450	2,450	2,450	2,450	2,530	2,530	12,410	14,860
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		2,450	2,450	2,450	2,450	2,530	2,530	12,410	14,860

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,083	2,450	2,450	2,450	2,518	2,530	379	14,860
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	2,083	2,450	2,450	2,450	2,518	2,530	379	14,860

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	124	148	148
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	57	257	490
<b>SURPLUS/(DEFICIT)</b>	67	(109)	(342)

**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 2008 include the following:

Emergency lighting, electrical systems, fire alarms program at various pools	200
HVAC Mechanical - exhaust systems	100
Roof Replacement/ Building Envelope at Pan Am	800
Cindy Klassen Recreation Complex and relocation of the West End Library	1,100
Water Slide Replacement - Elmwood Kildonan Pool	250
	<b>2,450</b>

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

# PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND

Project Name: **Outdoor Aquatic Facilities**

Department: Planning Property and  
Development  
Project: 6393000108

Capital Priority Rating: 1 - 4

Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	350	350	450	450	450	450	2,150	2,500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		350	350	450	450	450	450	2,150	2,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	298	350	435	450	450	450	67	2,500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	298	350	435	450	450	450	67	2,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	18	22	26
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	8	37	73
<b>SURPLUS/(DEFICIT)</b>	10	(15)	(47)

**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 2008 include the following:

Basin and apron/equipment replacement/repairs - various wading pool locations	250
Refurbish Westdale outdoor pool building	100
	<u>350</u>

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

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

Project Name: **Community Facilities**

Department: Planning Property and  
Development  
Project: 6394000108

Capital Priority Rating: 1 - 4

Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	10	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	5	21	40
<b>SURPLUS/(DEFICIT)</b>	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 2008 is to replace/repair Building Envelope at 200 Isabel Module 1, and St. Johns Leisure Centre.

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

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

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

Department: Planning Property and Development      Capital Priority Rating: 1 - 4

Project: 6396000108      Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	12	14	14
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	5	24	45
<b>SURPLUS/(DEFICIT)</b>	<b>7</b>	<b>(10)</b>	<b>(31)</b>

**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.

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

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

Department: Planning Property and  
Development  
Project: 6397000108

Capital Priority Rating: 3 - 4

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)	6	8	8
Less:			
Operating expenditures increase/(decrease)	5	6	6
Debt and finance charges increase	3	13	25
<b>SURPLUS/(DEFICIT)</b>	(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.

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

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

Department: Planning Property and

Capital Priority Rating: 3 - 4

Development

Project: 639000xx08

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	250	100	100	-	-	-	-	100	200
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		100	100					100	200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	100	100	-	-	-	-	-	200
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	100	100						200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	6	6	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	3	12	18
<b>SURPLUS/(DEFICIT)</b>	<b>3</b>	<b>(6)</b>	<b>(18)</b>

**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.

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

Project Name: **UFF - Hockey Pen Light Standard Replacement**

Department: Planning Property and Development  
 Project: 639000xx08

Capital Priority Rating: 3 - 4

Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		100	100	100	100	100	100	500	600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	100	100	100	100	100	100	-	600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	100	100	100	100	100	100		600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	6	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	3	12	21
<b>SURPLUS/(DEFICIT)</b>	<b>3</b>	<b>(6)</b>	<b>(15)</b>

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

The replacement of hockey pen light standards at various locations has been determined to be the City's responsibility under the Uniform Funding Formula with the Community Centres. As such, this new program is intended to replace hockey pen light standards and bases in consideration of workplace safety and health issues, utilization of such hockey pens, number of pens at the specific site, and the Recreation and Leisure Facilities (RALF) policy context amongst other things.

**PLANNING PROPERTY AND DEVELOPMENT - BUILDING SERVICES CAPITAL FUND**

Project Name: **Recreation and Leisure Facilities**

Department: Planning Property and Development  
 Capital Priority Rating: 1 - 4

Project: 6399000108  
 Service: Recreation

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	24,260	17,375	2,125	100	-	-	-	2,225	19,600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)				860	9,000			9,860	9,860
General Purpose Reserve		2,650			(9,000)			(9,000)	(6,350)
Transfer from Sewage Disposal Utility Capital Program		923		3,292				3,292	4,215
Canada Strategic Infrastructure Fund - Province		5,125	3,638	3,112				6,750	11,875
Interim Financing (Repayment)		8,677	(1,513)	(7,164)				(8,677)	-

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	14,769	4,731	100	-	-	-	-	19,600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			860	9,000				9,860
General Purpose Reserve	44	2,606		(9,000)				(6,350)
Transfer from Sewage Disposal Utility Capital Program	923		3,292					4,215
Canada Strategic Infrastructure Fund - Province	5,125	3,638	3,112					11,875
Interim Financing (Repayment)	8,677	(1,513)	(7,164)					-

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	296		17
Less:			
Operating expenditures increase/(decrease)	486	486	486
Debt and finance charges increase	406	1,412	1,712
<b>SURPLUS/(DEFICIT)</b>	(596)	(1,898)	(2,181)

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

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 2008-2010 projects will be finalized each year through the capital budget process considering priorities, project readiness, and financial/operational capacity.

Funds will be allocated to:	2008	2009	2010	2011	2012	Total
North End Recreation & Leisure Facility	5,300					5,300
Community Centre Investment Fund	2,000	2,000				4,000
Kildonan Park Urban Oasis	8,100					8,100
Spray Parks/Pads	1,100					1,100
Skateboard Parks	700					700
Administration and Overhead Charges	175	125	100			400
	<b>17,375</b>	<b>2,125</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>19,600</b>

# CITY CLERKS - GENERAL CAPITAL FUND

Project Name: **Office Automation**

Department: City Clerks  
 Project: 0400000709

Capital Priority Rating: 5 - 4  
 Service: Council Services

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	-	200	-	200	-	200	600	600
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			200		200		200	600	600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	200	-	200	-	200	-	600
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		200		200		200		600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		6	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		7	19
<b>SURPLUS/(DEFICIT)</b>	-	(1)	(19)

**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.

# CITY CLERKS - GENERAL CAPITAL FUND

Project Name: **Corporate Records Centre**

Department: City Clerks  
Project: 0400000912

Capital Priority Rating: 5 - 4  
Service: Council Services

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	575	-	-	-	-	200	-	200	200
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)						200		200	200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	200	-	-	200
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)					200			200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 specific period of time.

In order to provide a more centralized and more cost effective records management storage services, the City Clerk's Department has renovated a portion of a city owned warehouse at 311 Ross Avenue to accommodate records storage. The area remains a warehouse but requires some repairs to floors and walls, upgraded lighting and security, and installation of shelving. The records center opened in July 2007.

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

# CITY CLERKS - GENERAL CAPITAL FUND

Project Name: **Election Systems**

Department: City Clerks  
Project: 0400000509

Capital Priority Rating: 5 - 4  
Service: Council Services

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	150	150	-	-	-	-	300
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		150	150					300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		5	5
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		5	19
<b>SURPLUS/(DEFICIT)</b>	-	-	(14)

**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 the Internal Services 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.

# CITY CLERKS - GENERAL CAPITAL FUND

Project Name: **Voting Machine Replacement**

Department: City Clerks  
Project: 040000xx09

Capital Priority Rating: 5 - 4  
Service: Council Services

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)		45	8
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		49	151
<b>SURPLUS/(DEFICIT)</b>	-	(4)	(143)

**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 starting 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.

## CITY CLERKS - GENERAL CAPITAL FUND

Project Name: **City Archives**

Department: City Clerks  
Project: 040000xx08

Capital Priority Rating: 5 - 4  
Service: Council Services

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	150	-	500	500	500	500	2,000	2,150
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		150		500	500	500	500	2,000	2,150

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	150	-	500	500	500	500	-	2,150
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	150		500	500	500	500		2,150

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	5		15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	4	13	29
<b>SURPLUS/(DEFICIT)</b>	<b>1</b>	<b>(13)</b>	<b>(14)</b>

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

The City Archives, located at 380 William Avenue, was opened as the City's first library in the early 20th century. The building currently serves as a repository for storage of the City's historical information and has done so since 1977. The most pressing immediate need is repair of the iron fence surrounding the property. The fence has been neglected and has fallen into disrepair.

The building until recently acted as the City's record centre. Deflection of second floor beams have resulted in much of the records storage/weight being removed from the second floor of the building and transferred to 311 Ross. An external report has identified several issues with the building including the need to address the load bearing capacity of the second floor, ensuring appropriate repairs to the Tyndall Stone façade, ensure adequate waterproofing for the roof and foundation, as well repair/replacement of windows.

These issues would be addressed over a series of years based on priority. Also identified are a lack of fire suppression system and lack of wheel chair ramps in the building.

The structure was designated a heritage building in 1984. Protected elements include the front rooms on the first and second floors, the building exterior, and the iron fence surrounding the property.

Due to the historic designation of the property and the fence, the fence needs to be rebuilt in the same manner as exist, rather than be simply removed or rebuilt in wood. This task would be undertaken in 2008.

## INTERNAL SERVICES - GENERAL CAPITAL FUND

Project Name: **Communications Network Infrastructure**

Department: Internal Services  
Project: 6501000007

Capital Priority Rating: 2 - 4  
Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	648	648	633	638	643	642	3,204	3,852
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		648	648	633	638	643	642	3,204	3,852

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	648	648	633	638	643	642	-	3,852
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	648	648	633	638	643	642		3,852

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	18	174	337
<b>SURPLUS/(DEFICIT)</b>	(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.

## INTERNAL SERVICES - GENERAL CAPITAL FUND

Project Name: **Network Computing Initiatives**

Department: Internal Services  
Project: 6502000007

Capital Priority Rating: 2 - 4  
Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	620	216	209	211	213	213	1,062	1,682
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		620	216	209	211	213	213	1,062	1,682

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	620	176	180	280	213	213	-	1,682
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	620	176	180	280	213	213		1,682

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	17	154	204
<b>SURPLUS/(DEFICIT)</b>	(17)	(154)	(204)

**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.

## INTERNAL SERVICES - GENERAL CAPITAL FUND

Project Name: **E-Government**

Department: Internal Services  
Project: 6553000007

Capital Priority Rating: 2 - 3  
Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	250	150	1,057	1,070	617	629	3,523	3,773
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		250	150	1,057	1,070	617	629	3,523	3,773

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	250	150	1,057	1,070	617	629	-	3,773
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	250	150	1,057	1,070	617	629		3,773

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	7	64	128
<b>SURPLUS/(DEFICIT)</b>	(7)	(64)	(128)

**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.

**INTERNAL SERVICES - GENERAL CAPITAL FUND**

Project Name: **PeopleSoft Upgrade**

Department: Internal Services  
 Project: 6555000007

Capital Priority Rating: 2 - 3  
 Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	741	-	-	-	1,500	1,000	500	3,000	3,000
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)					1,500	1,000	500	3,000	3,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	1,500	1,000	500	-	3,000
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)				1,500	1,000	500		3,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**INTERNAL SERVICES - GENERAL CAPITAL FUND**

Project Name: **Data Warehouse / Business Intelligence**

Department: Internal Services  
 Project: 6556000009

Capital Priority Rating: 2 - 2  
 Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	125	520	200	-	169	1,014	1,014
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			125	520	200		169	1,014	1,014

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	125	520	200	-	169	-	1,014
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		125	520	200		169		1,014

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		3	44
<b>SURPLUS/(DEFICIT)</b>	-	(3)	(44)

**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.

# PROPERTY ASSESSMENT - GENERAL CAPITAL FUND

Project Name: **Assessment Automation**

Department: Property Assessment  
Project: 1400000107

Capital Priority Rating: 3 - 3  
Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	-	500	1,000	500	-	-	2,000	2,000
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			500	1,000	500			2,000	2,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	500	1,000	500	-	-	-	2,000
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		500	1,000	500				2,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 development of enhanced valuation systems for specific property types; implementation of an enhanced central filing system with integrated electronic document and records management; acquisition of property images including high resolution aerial images; and integration of PADIView with other key applications.

The Assessment Automation project is an ongoing project. The subprojects within the Assessment Automation project are usually complete within a two-year timeframe. Subprojects completed in 2007 include website modifications for online data collection, development of web appraiser tools, enhancements to the Property Information Tracking System, CAMA Commercial Component Enhancements, and completion of a Quality Management System in preparation for ISO certification planned for 2008. The cash flows listed above are primarily for the CAMA enhancements set to begin in 2008, with completion in 2011. CAMA is the core valuation system for the Property Assessment Department.

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

## OTHER PROJECTS - GENERAL CAPITAL FUND

Project Name: **Innovative Capital**

Department: Corporate  
Project: 120000696

Capital Priority Rating: 1 - 1  
Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		168	12	250				262	430
Repayment to General Purpose Reserve		(168)	(12)	(250)				(262)	(430)

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	-	-	-
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	168	12	250					430
Repayment to General Purpose Reserve	(168)	(12)	(250)					(430)

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	5		8
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	5	15	24
<b>SURPLUS/(DEFICIT)</b>	-	(15)	(16)

**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. Current cash to capital requirements are for repayments to the General Purpose Reserve.

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

## OTHER PROJECTS - GENERAL CAPITAL FUND

Project Name: **311 Customer Service**

Department: Corporate  
Project: 1200001307

Capital Priority Rating: 2 - 2  
Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,000	4,917	-	-	-	-	-	-	4,917
Financed by: Equity in Capital Assets Fund		4,917						-	4,917

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	4,917	-	-	-	-	-	-	4,917
Financed by: Equity in Capital Assets Fund	4,917							4,917

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	148		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	135	419	419
<b>SURPLUS/(DEFICIT)</b>	13	(419)	(419)

**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. In the 2007 Capital Budget, project capital of \$1.0 million was set aside to assist with completion of the evaluation process required with respect to the proposed 311 operation.

Project capital of \$4.917 million is being included in the 2008 capital budget to reflect the potential costs to establish and operate a consolidated 311 Contact Centre under an internal model, in which the City assumes the responsibility for implementing the 311 centre. Costs are based on a preliminary cost analysis.

## OTHER PROJECTS - GENERAL CAPITAL FUND

Project Name: **Capital Investment Fund**

Department: Corporate  
Project: 120000xx07

Capital Priority Rating: 3 - 2  
Service: Corporate

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	4,357	-	6,138	6,138	6,138	6,138	24,552	28,909
Financed by: Equity in Capital Assets Fund		4,357		6,138	6,138	6,138	6,138	24,552	28,909

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	4,357	-	6,138	6,138	6,138	6,138	-	28,909
Financed by: Equity in Capital Assets Fund	4,357		6,138	6,138	6,138	6,138		28,909

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	131		184
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	120	371	571
<b>SURPLUS/(DEFICIT)</b>	<b>11</b>	<b>(371)</b>	<b>(387)</b>

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

Capital funding for project and budget management. Funding for individual projects is to be authorized by the Standing Policy Committee on Finance.

The 2008 Capital Investment Fund includes the following provision for capital projects:

2007 and prior	2,464
2008	1,893
	<u>4,357</u>

## TRANSIT DEPARTMENT - TRANSIT SYSTEM FUND

Project Name: **Transit Security Enhancements**

Department: Transit  
Project: 423000xyy

Capital Priority Rating: 3 - 1  
Service: Public Transit

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A	250	250	250	-	-	-	500	750
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		250	250	250				500	750

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	500	250	-	-	-	-	750
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		500	250					750

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			48
<b>SURPLUS/(DEFICIT)</b>	-	-	(48)

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

The City of Winnipeg and the Transit Department have long recognized the importance of ensuring the security of their infrastructure and operations.

The Federal Government has made urban transit security a priority. A two-year contribution program was established in 2006 to address immediate security priorities. Winnipeg Transit has accessed this program and will be procuring a study to assess potential risks to Transit's infrastructure and operations and develop measures to reduce these risks.

These funds anticipate that high security risks identified by the study will require immediate attention.

Estimated useful life - variable depending on the project.

**TRANSIT DEPARTMENT - TRANSIT SYSTEM FUND**

Project Name: **Fare Collection System**

Department: Transit  
Project: 423000xyy

Capital Priority Rating: 3 - 4  
Service: Public Transit

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,000	-	3,500	2,500	2,500	-	-	8,500	8,500
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)			3,500	2,500	2,500			8,500	8,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	1,000	1,000	6,500	-	-	8,500
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)			1,000	1,000	6,500			8,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			30
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			54
<b>SURPLUS/(DEFICIT)</b>	-	-	(24)

**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. A review will be conducted to consider the best options suited for the City's public transit system. This capital project will authorize capital investments that may include:

- mechanizing the existing transfer dispensing system and acquiring replacement mechanical fareboxes. Among other benefits, this will provide more consistent application of the Power Hour transfer.
- smart card and proximity card 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 after 2009.

Estimated useful life - Twenty years.

## TRANSIT DEPARTMENT - TRANSIT SYSTEM FUND

Project Name: **Innovative Transit Program**

Department: Transit  
Project: 423000xyy

Capital Priority Rating: 3 - 2  
Service: Public Transit

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	700	700	800	800	800	1,000	4,100	4,800
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		638	700	800	800	800	1,000	4,100	4,738
Winsmart - Urban Transportation Showcase		62							62

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	700	800	800	800	900	300	4,800
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)	455	683	800	800	800	900	300	4,738
Winsmart - Urban Transportation Showcase	45	17						62

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	14	46	74
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		43	108
<b>SURPLUS/(DEFICIT)</b>	14	3	(34)

**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 February 22, 2006 Council approved Rapid Transit Task Force Implementation Report are to be funded through this capital program through 2011.

The Federal Government funding under the Winsmart agreement (Urban Transportation Showcase Program) 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.

# TRANSIT DEPARTMENT - TRANSIT SYSTEM FUND

Project Name: **Transit Building Replacement / Refurbishment**

Department: Transit  
Project: 420000xx07

Capital Priority Rating: 3 - 2  
Service: Public Transit

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	100	-	-	6,109	7,522	9,951	12,906	36,488	36,488
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)					1,413	3,842	6,797	12,052	12,052
Federal Gas Tax				6,109	6,109	6,109	6,109	24,436	24,436

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	6,109	7,522	9,951	12,906	-	36,488
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)				1,413	3,842	6,797		12,052
Federal Gas Tax			6,109	6,109	6,109	6,109		24,436

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	9	9	9
<b>SURPLUS/(DEFICIT)</b>	(9)	(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 funds the maintenance of the facilities through the operating budget. However, it is becoming clear that significant funding will be needed shortly to respond to the growing need for large capital investment. The budget from 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 study will result in this becoming a multi-year capital project. Any future funding authorized would be used to provide for major capital maintenance and investment that the operating budget cannot support. Beginning in 2011, a significant amount of capital will be required, including the replacement of North Garage.

Estimated useful life - Dependent on the specific projects approved for the annual program.

## TRANSIT DEPARTMENT - TRANSIT SYSTEM FUND

Project Name: **Transit Buses**

Department: Transit  
Project: 421000xyy

Capital Priority Rating: 3 - 4  
Service: Public Transit

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	12,711	14,403	15,112	15,057	16,285	16,585	77,442	90,153
Financed by:									
Cash to Capital (Equity in Capital Assets Fund)		2,773	2,143	1,475	82			3,700	6,473
Transit Bus Replacement Reserve		6,098	8,420	9,797	11,135	12,445	12,745	54,542	60,640
Province of Manitoba - Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	19,200	23,040

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	12,711	14,403	15,112	15,057	16,285	16,585	90,153
Financed by:								
Cash to Capital (Equity in Capital Assets Fund)		2,773	2,143	1,475	82			6,473
Transit Bus Replacement Reserve		6,098	8,420	9,797	11,135	12,445	12,745	60,640
Province of Manitoba - Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	23,040

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)		205	289
Less:			
Operating expenditures increase/(decrease)		(100)	(200)
Debt and finance charges increase			263
<b>SURPLUS/(DEFICIT)</b>	-	305	226

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

This project is for the ongoing purchase of new low-floor urban transit buses and for the replacement of buses that have reached the end of their useful life.

Estimated useful life - 18 years

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

# TRANSIT DEPARTMENT - TRANSIT SYSTEM FUND

Project Name: **Transit Improvements**

Department: Transit  
Project: 423000xyy

Capital Priority Rating: 3 - 2  
Service: Public Transit

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	22,551	3,054	6,109	-	-	-	-	6,109	9,163
Financed by:									
Federal Gas Tax		3,054	6,109					6,109	9,163

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,554	5,600	1,009	-	-	-	-	9,163
Financed by:								
Federal Gas Tax	2,554	5,600	1,009					9,163

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)	50	100	150
Less:			
Operating expenditures increase/(decrease)	200	300	300
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	<b>(150)</b>	<b>(200)</b>	<b>(150)</b>

**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 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). Previous capital budgets have included the Public Transit Reserve portion of this project - only Gas Tax Reserve funding is included 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.

Funds will be allocated to:	2008	2009	2010	2011	2012	2013	Total
New Bus Stop Upgrade Programs	2,100	2,100					4,200
Diamond Lanes /Queue Jump Lanes: Implementation	154	4,009					4,163
Transit Investment Fund	800						800
	<b>3,054</b>	<b>6,109</b>	-	-	-	-	<b>9,163</b>

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Stormwater Retention Basin Rehabilitation**

Department: Water and Waste  
Project: 2075000106

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,472	150	200	200	200	400	400	1,400	1,550
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		150	200	200	200	400	400	1,400	1,550

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	150	200	200	200	400	400	-	1,550
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	150	200	200	200	400	400		1,550

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	4	19	38
<b>SURPLUS/(DEFICIT)</b>	(4)	(19)	(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 work will have to be reviewed in order to continue this program of asset preservation.

The expected life of this asset is 10 years.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Flood Pumping Station Rehabilitation**

Department: Water and Waste  
Project: 2076500106

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	5,944	850	900	1,000	1,000	1,000	1,000	4,900	5,750
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		850	900	1,000	1,000	1,000	1,000	4,900	5,750

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	850	900	1,000	1,000	1,000	1,000	-	5,750
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	850	900	1,000	1,000	1,000	1,000		5,750

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	23	102	191
<b>SURPLUS/(DEFICIT)</b>	(23)	(102)	(191)

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

In a 2007 report on the adequacy and operation of the 34 regional flood pumping stations it is estimated that \$21.7 million of upgrades will be required. Near-term expenditures (i.e., next 10 years) have been estimated at \$14.5 million, and long term (next 11-50 years) are identified to cost \$8.2 million. These upgrades improve overall station reliability during high river levels and rainfall events. Funding for this project also includes an annual program for carrying out major repairs, upgrades and/or improvements to the flood pumping stations, and associated outfall pipes and gates. Upgrades and/or improvements includes changes to: ventilation, electrical, mechanical, structural, and architectural components. All stations will be upgraded for remote monitoring which is critical 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.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Land Drainage and Combined Sewers Outfall Gate Structures**

Department: Water and Waste  
Project: 2078500206

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	8,350	900	1,450	1,450	1,450	1,500	1,500	7,350	8,250
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		900	1,450	1,450	1,450	1,500	1,500	7,350	8,250

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	900	1,450	1,450	1,450	1,500	1,500	-	8,250
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	900	1,450	1,450	1,450	1,500	1,500		8,250

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	25	124	262
<b>SURPLUS/(DEFICIT)</b>	(25)	(124)	(262)

**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 34 locations have been addressed, leaving 36 locations yet to be completed.

The expected life of this asset is 50 years.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Floodplain Management**

Department: Water and Waste  
Project: 2070000407

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	600	-	700	-	-	-	-	700	700
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)			700					700	700

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	700	-	-	-	-	-	700
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)		700						700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		23	67
<b>SURPLUS/(DEFICIT)</b>	-	(23)	(67)

**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;
- 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, and;
- 5) This project is to protect properties that are the lowest in Winnipeg and require sandbagging when water levels are in the range of 18.0 to 20.5 ft at James Avenue.

In April 2007, Council approved a program to raise the level of flood protection for these low-lying properties where it could be demonstrated the cost of providing sandbags exceeded the cost of a permanent flood works. If all eligible properties participate, the cost of the program could be \$880,000 and the City could avoid the sandbagging cost of approximately \$2,000,000.

The implementation of such programs could take place over a minimum of 5 to 10 years at a cost of \$10 million.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Seine River Waterway Acquisition**

Department: Water and Waste  
Project: 2080000106

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	800	100	150	150	150	150	150	750	850
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		100	150	150	150	150	150	750	850

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	100	150	150	150	150	150	-	850
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	100	150	150	150	150	150		850

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	3	13	28
<b>SURPLUS/(DEFICIT)</b>	(3)	(13)	(28)

**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.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Primary Dike Upgrading**

Department: Water and Waste  
Project: 2070001406

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,165	-	250	300	1,500	1,390	1,500	4,940	4,940
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)			250	300	1,500	1,390	1,500	4,940	4,940

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	250	300	1,500	1,390	1,500	-	4,940
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)		250	300	1,500	1,390	1,500		4,940

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		8	34
<b>SURPLUS/(DEFICIT)</b>	-	(8)	(34)

**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.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Land Drainage Safety Upgrading Program**

Department: Water and Waste  
Project: 2070001307

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	600	-	200	200	100	200	200	900	900
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)			200	200	100	200	200	900	900

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	200	200	100	200	200	-	900
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)		200	200	100	200	200		900

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		7	26
<b>SURPLUS/(DEFICIT)</b>	-	(7)	(26)

**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.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Charleswood & Wilkes South Land Drainage Project**

Department: Water and Waste  
Project: 2070000607

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,300	1,343	-	-	-	-	-	-	1,343
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		1,343						-	1,343

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,343	-	-	-	-	-	-	1,343
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	1,343							1,343

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	37	114	114
<b>SURPLUS/(DEFICIT)</b>	(37)	(114)	(114)

**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.

On January 24, 2007, Council approved that an expenditure of \$300,000 be authorized before the 2007 Capital Budget is adopted, as a first call against the Tax Supported Capital Budget to begin the process of acquiring lands to allow the construction of a major drain in South Charleswood between Loudoun and McCreary Road in the vicinity of the existing Howe Avenue right-of-way.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Land Drainage Asset Management Strategy**

Department: Water and Waste  
Project: 2070xxxxxy

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	150	-	-	-	200	-	-	200	200
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)					200			200	200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	200	-	-	-	200
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)				200				200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Ravelston Land Drainage Pumping Station Upgrading**

Department: Water and Waste  
Project: 2076yyyyxx

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	350	2,352	-	-	-	-	-	-	2,352
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		2,352						-	2,352

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,352	-	-	-	-	-	-	2,352
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	2,352							2,352

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	65	200	200
<b>SURPLUS/(DEFICIT)</b>	(65)	(200)	(200)

**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. In the spring of 2007, an engineering study was undertaken and the preliminary cost estimate was determined. Funds have been included in the 2008 budget estimates to undertake the required work.

# WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Portable Flood Pumps**

Department: Water and Waste  
 Project: 2070yyyyxx

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	500	250	250	-	-	-	-	250	500
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		250	250					250	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	250	250	-	-	-	-	-	500
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	250	250						500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	7	29	45
<b>SURPLUS/(DEFICIT)</b>	(7)	(29)	(45)

**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 for \$250,000 outside of the 2006 Capital Budget process to initiate replacement of the existing portable flood pumps. In the spring of 2006, five pumps were purchased.

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. In the spring of 2007, six pumps were purchased.

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.

The expected life of this asset (per unit) is 15 years.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Flood Equipment Storage Facility**

Department: Water and Waste  
Project: 2070yyyyxx

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)				500				500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)			500					500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			16
<b>SURPLUS/(DEFICIT)</b>	-	-	(16)

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

Currently, the Department's Portable Emergency Flood Pumps are located in various City owned facilities. Some of the large pumps and their associated equipment are located in the stores building at the Water Services Division Plinguet Yard where they are vertically stacked on shelves on pallets due to space limitations. A forklift is required to retrieve them.

The stores building does not have sufficient space for all pumps and their associated equipment. There are a number of trailer mounted pump units and associated equipment located at the garage at 1500 Plessis Road. On May 24, 2006, Council adopted a recommendation to declare a list of properties as surplus and made available for sale in association with the Public Works-Water and Waste Facilities Master Plan. The 1500 Plessis Road location is one of the properties listed as surplus property, therefore, time is limited for which the pumps can be stored at this location.

The Water and Waste Department plans to seek assistance from Planning, Property and Development Civic Accommodations to explore opportunities for leasing/buy/build options. The facility will have to be maintained at temperatures above zero degrees Celsius, have 24 hour access, security, and accommodate all the equipment to be located on the main floor. The facility will also have to be at a suitable location for the Wastewater Operations Division.

Pending the outcome of the search for accommodations, funds have been budgeted in 2010 for a buy/build option of a 5,000 sq. ft. facility to house all the pumps and their associated equipment.

The expected life of this asset is 30 years.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Combined Sewer Flood Relief**

Department: Water and Waste  
Project: 2071000106

Capital Priority Rating: 3 - 4  
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	137,709	7,200	7,200	7,200	7,200	7,200	7,200	36,000	43,200
Financed by:									
Sewer System Rehabilitation Reserve		7,200	7,200	7,200	7,200	7,200	7,200	36,000	43,200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	7,200	7,200	7,200	7,200	7,200	7,200	-	43,200
Financed by:								
Sewer System Rehabilitation Reserve	7,200	7,200	7,200	7,200	7,200	7,200		43,200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 sewer areas. Funds will be used for the planning, design, and construction of sewer relief works. Also, a portion of the funds will be used for sewer flow and meteorological monitoring in advance of design as well as public communication and education on basement flood protection.

Prior to October 21, 1987, there were 42 combined sewer areas in Winnipeg. Currently, 24 combined sewer areas, have been relieved. There are also planning studies currently underway to estimate relief works for three other districts. Relief works in the Alexander/Bannatyne combined sewer district is currently underway. 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.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Flood Relief Sewers - Separate**

Department: Water and Waste  
Project: 2072000106

Capital Priority Rating: 3 - 4  
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,500	300	300	300	300	300	300	1,500	1,800
Financed by:									
Sewer System Rehabilitation Reserve		300	300	300	300	300	300	1,500	1,800

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	300	300	300	300	300	300	-	1,800
Financed by:								
Sewer System Rehabilitation Reserve	300	300	300	300	300	300		1,800

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

Basement flooding has become an issue in some separate sewer areas as in combined sewer areas. A parallel relief sewer program in separate areas is necessary. Prior to any works proceeding, a planning study will be undertaken to identify city-wide priorities, as well as allow for sewer flow and meteorological monitoring in advance of a conceptual and detailed design.

The expected life of this asset is over 50 years.

## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Development Agreement Paybacks**

Department: Water and Waste  
Project: 2077000106

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

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	750	500	-	-	-	500	1,000	1,750
Financed by:									
Developer Capacity Charges		750	500				500	1,000	1,750

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	750	500	-	-	-	500	-	1,750
Financed by:								
Developer Capacity Charges	750	500				500		1,750

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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:

2008 DASZ 20/04 - North Grassie Properties/Arrowwood	250,000
2008 DASZ 56/85 - Inksbrook Park Development	500,000
2009 DASZ 3/93 - Genstar/Amber Trails	500,000
2013 DASZ 1/06 - MHRC/Waverley West	500,000

The expected life of this asset is over 50 years.

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

# WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Fernbank Avenue Land Drainage Sewer**

Department: Water and Waste  
 Project: 2082xxxxyy

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

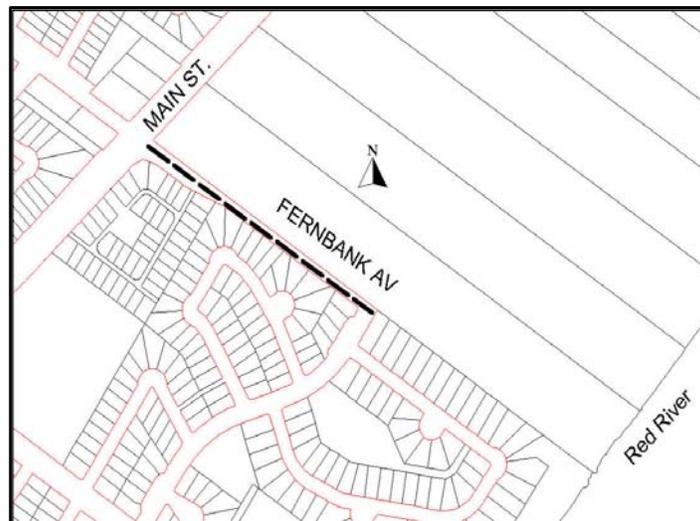
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	875	-	-	875	875
Financed by: Developer Capacity Charges					875			875	875

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	875	-	-	-	875
Financed by: Developer Capacity Charges				875				875

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

This project includes construction of a 1,350 mm diameter land drainage sewer on Fernbank Avenue from approximately 65 metres west of Main Street to Rivergrove Drive. The sewer will provide a permanent outlet for the Riverbend Subdivision retention basin and an outlet for the undeveloped lands west of the CPR Winnipeg Beach Subdivision rail line. These lands include the Public Works Department's snow dump site north of Fernbank Avenue. The expected life of this asset is 75 years.



## WATER AND WASTE - GENERAL CAPITAL FUND

Project Name: **Outfall Rehabilitation**

Department: Water and Waste  
Project: 2078000106

Capital Priority Rating: 3 - 4  
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	7,448	500	400	550	550	800	800	3,100	3,600
Financed by:									
Cash to Capital (Equity In Capital Assets Fund)		500	400	550	550	800	800	3,100	3,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	400	550	550	800	800	-	3,600
Financed by:								
Cash to Capital (Equity In Capital Assets Fund)	500	400	550	550	800	800		3,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	14	56	99
<b>SURPLUS/(DEFICIT)</b>	(14)	(56)	(99)

**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.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Long Term Zebra Mussel Mitigation**

Department: Water and Waste -  
Waterworks System  
Project: 2012xxxxyy

Capital Priority Rating: 5 - 4

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	1,100	1,100	1,100
Financed by: Retained Earnings							1,100	1,100	1,100

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	1,100	-	1,100
Financed by: Retained Earnings						1,100		1,100

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Saskatchewan Avenue Feedermain**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: 2004xxxxxy

Service: Water

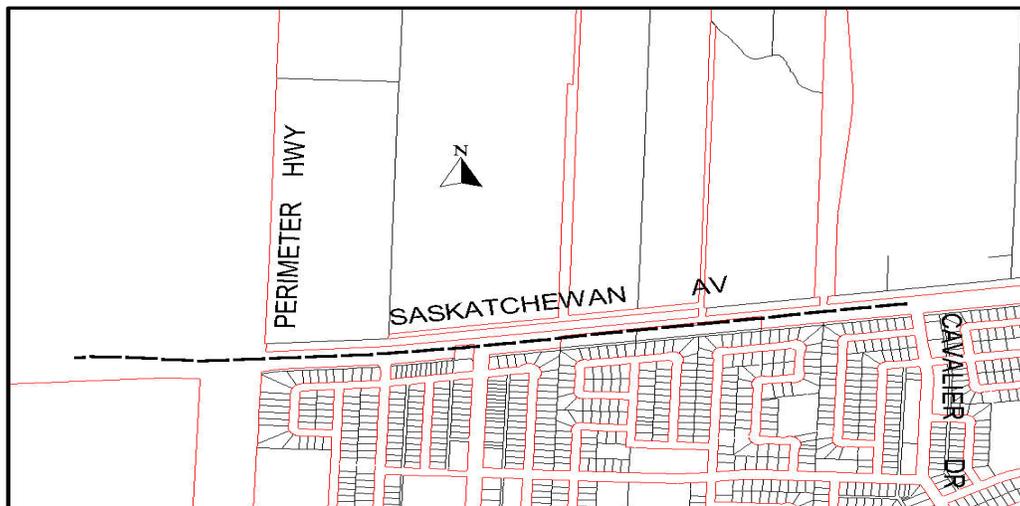
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	1,300	-	-	1,300	1,300
Financed by:									
Retained Earnings					1,300			1,300	1,300

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	1,300	-	-	-	1,300
Financed by:								
Retained Earnings				1,300				1,300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.



## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Water Supervisory Control and Data Acquisition (SCADA) Upgrade**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
Waterworks System

Project: 20050002yy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	1,800	2,900	-	-	4,700
Financed by:								
Retained Earnings				1,800	2,900			4,700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 optimize 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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Branch II Aqueduct Valve Interconnection Control Structure**

Department: Water and Waste - Capital Priority Rating: 5 - 4

Project: 2003xxxxxy  
Waterworks System

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	500	-	-	-	-	-	-	500
Financed by:									
Retained Earnings		500						-	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	-	-	-	-	-	-	500
Financed by:								
Retained Earnings	500							500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Tache Booster Pumping Station Upgrading**

Department: Water and Waste -  
Waterworks System  
Project: 2005000606

Capital Priority Rating: 5 - 4

Service: Water

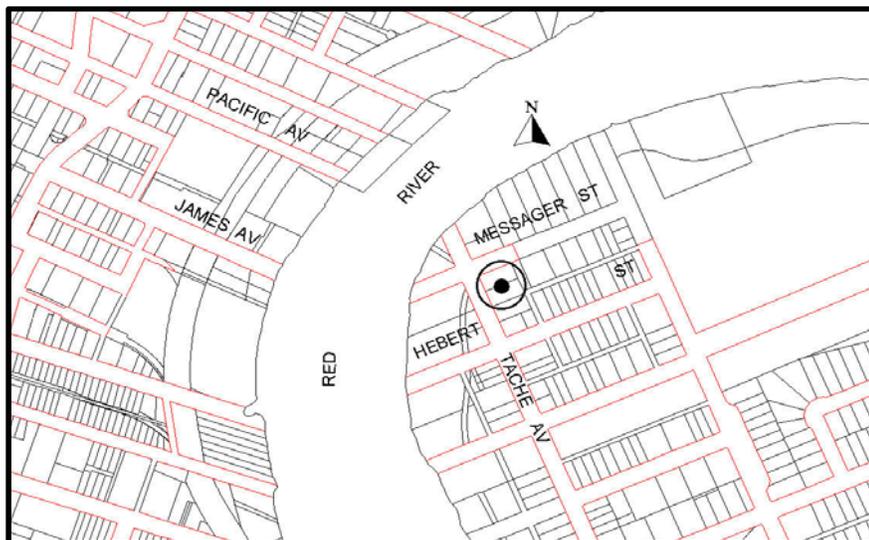
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,300	800	-	-	-	-	-	-	800
Financed by:									
Retained Earnings		800						-	800

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	800	-	-	-	-	-	-	800
Financed by:								
Retained Earnings	800							800

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.



## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Shoal Lake Aqueduct Intake Structure Condition Assessment**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Waterworks System

Project: 2003xxxxxy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	200	800	1,000	-	-	-	1,800	2,000
Financed by:									
Retained Earnings		200	800	1,000				1,800	2,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	200	800	1,000	-	-	-	-	2,000
Financed by:								
Retained Earnings	200	800	1,000					2,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Disraeli Feedermain - Red River Crossing Rehabilitation / Replacement**

Department: Water and Waste -  
Waterworks System  
Project: 2004xxxxxy

Capital Priority Rating: 5 - 3  
Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	100	-	2,500	-	-	-	-	2,500	2,500
Financed by: Retained Earnings			2,500					2,500	2,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	2,500	-	-	-	-	-	2,500
Financed by: Retained Earnings		2,500						2,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 required. The expected life of this new asset is 50 years.



# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Shoal Lake Intake Chloramination Facility**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Waterworks System

Project: 20020005yy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	300	-	-	2,000	-	-	2,000	2,300
Financed by:									
Retained Earnings		300			2,000			2,000	2,300

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	300	-	-	2,000	-	-	-	2,300
Financed by:								
Retained Earnings	300			2,000				2,300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The first phase of the project will be a study to review alternate forms of treatment and/or disinfection for the Shoal Lake Aqueduct and distribution system to meet the operational, public health, and safety goals. Presently, chlorine is used at the intake for disinfection, slime control in the aqueduct and zebra mussel control. This results in high levels of disinfection by-products being formed. The water treatment plant must be constructed and operational prior to replacing 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 security, transportation, and containment of gas chlorine, an alternative form of chlorination will be investigated.

The expected life of this asset is 25 years.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **General Water Infrastructure Rehabilitation**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
Waterworks System

Project: 2001xxxxyy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	300	300	300	300	1,200	1,200
Financed by:									
Retained Earnings				300	300	300	300	1,200	1,200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	300	300	300	300	-	1,200
Financed by:								
Retained Earnings			300	300	300	300		1,200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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, feeder mains, 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.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Midtown Feedermain - Assiniboine River Crossing Replacement / Rehabilitation**

Department: Water and Waste - Capital Priority Rating: 5 - 3  
 Waterworks System  
 Project: 20040002yy Service: Water

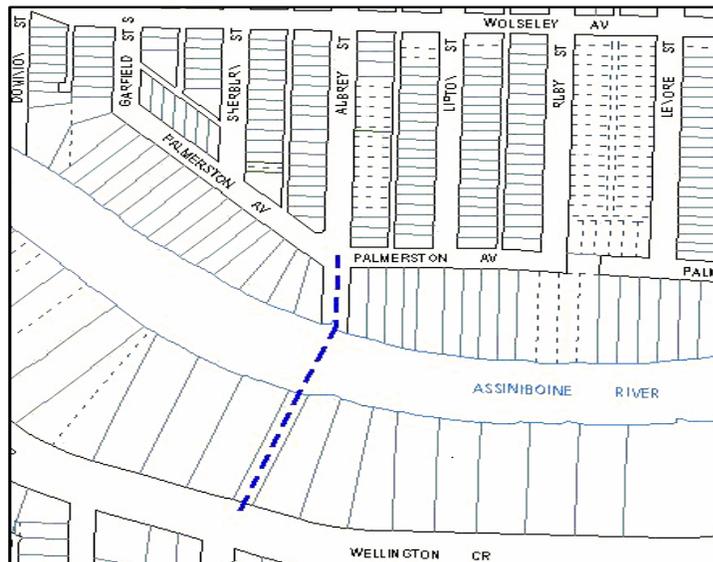
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	2,500	-	-	-	-	-	-	2,500
Financed by: Retained Earnings		2,500						-	2,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,500	-	-	-	-	-	-	2,500
Financed by: Retained Earnings	2,500							2,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.



**WATER AND WASTE - WATERWORKS SYSTEM FUND**

Project Name: **Waverley West Feedermain**

Department: Water and Waste -  
Waterworks System  
Project: 20040001yy

Capital Priority Rating: 5 - 3

Service: Water

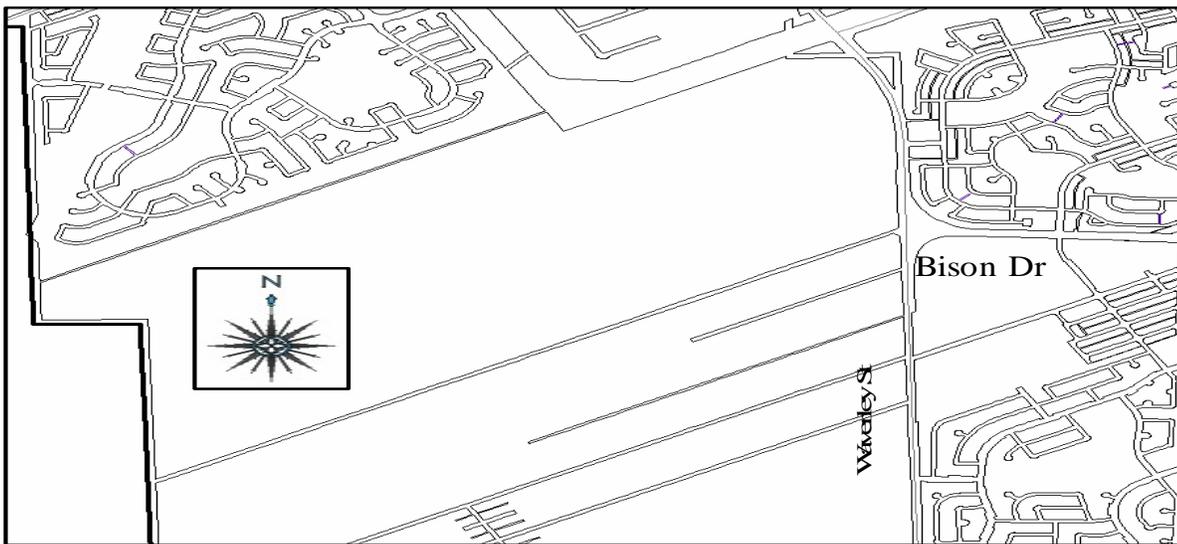
AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	2,500	-	-	4,200	-	6,700	6,700
Financed by:									
Retained Earnings			2,500			4,200		6,700	6,700

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	2,500	-	-	4,200	-	-	6,700
Financed by:								
Retained Earnings		2,500			4,200			6,700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 Waverley West lands and south down the proposed Kenaston Blvd extension. The expected life of the asset is over 50 years.



# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Feedermain Condition Assessment Study - Phase 1**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: 2004xxxxxy  
Waterworks System

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	500	-	-	-	-	-	-	500
Financed by:									
Retained Earnings		500						-	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	-	-	-	-	-	-	500
Financed by:								
Retained Earnings	500							500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The feeder mains are specialized pipes which are unique in size, materials, construction techniques, and failure. The majority of feeder mains 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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Water Utility Asset Management Strategy**

Department: Water and Waste - Capital Priority Rating: 5 - 2  
Waterworks System

Project: 2001000606 Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	800	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Shoal Lake Aqueduct Asset Preservation**

Department: Water and Waste - Capital Priority Rating: 5 - 3  
 Waterworks System

Project: 2003000706 Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,750	-	-	-	-	-	1,000	-	1,000
Financed by:									
Retained Earnings							1,000		1,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	1,000	-	-	1,000
Financed by:								
Retained Earnings					1,000			1,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Water Supply Valve Installation / Replacement Program**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
Waterworks System

Project: 2004000606 Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,300	1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000
Financed by:									
Retained Earnings		1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,500	1,500	1,500	1,500	1,500	1,500	-	9,000
Financed by:								
Retained Earnings	1,500	1,500	1,500	1,500	1,500	1,500		9,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 feeder main 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, Supervisory Control and Data Acquisition (SCADA) control equipment, related pipe connections, valve chambers, structural assessments, and restoration works. This is an ongoing program with additional funding being included in future years.

Life expectancy will vary between 20 and 50 years.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Shoal Lake Intake Maintenance / Communication Facility Rehabilitation**

Department: Water and Waste - Capital Priority Rating: 3 - 2  
 Waterworks System  
 Project: 2003000706 Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	100	-	-	700	-	-	-	700	700
Financed by: Retained Earnings				700				700	700

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	700	-	-	-	-	700
Financed by: Retained Earnings			700					700

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The original title of the project was the Shoal Lake Aqueduct Maintenance/Storage Facility. The project scope and budget have been revised. The new project name is the Shoal Lake Intake Maintenance/Communication Facility Rehabilitation. The existing Shoal Lake Intake Maintenance/Communication Facility is used to store Intake equipment, track units and complete required maintenance on some of the Intake equipment. The facility also contains critical communications equipment for the Intake facility and Aqueduct. The facility requires upgrades and repairs in order to maintain its life and prevent damage to equipment.

The expected life of the asset is 50 years.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Hurst Pumping Station Building - Structural Repairs**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Waterworks System

Project: 2005000706 Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	100	-	-	1,000	-	-	-	1,000	1,000
Financed by:									
Retained Earnings				1,000				1,000	1,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	1,000	-	-	-	-	1,000
Financed by:								
Retained Earnings			1,000					1,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**WATER AND WASTE - WATERWORKS SYSTEM FUND**

Project Name: **Chlorination Decommission at Regional Pump Stations**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Waterworks System

Project: 2005xxxxxy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	100	-	-	-	100	100
Financed by: Retained Earnings				100				100	100

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	100	-	-	-	-	100
Financed by: Retained Earnings			100					100

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Safety Upgrades - Isolation Valves at Valve and Meter Pits**

Department: Water and Waste -  
Waterworks System  
Project: 2001001406

Capital Priority Rating: 5 - 3  
Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	300	300	300	300	-	-	-	600	900
Financed by:									
Retained Earnings		300	300	300				600	900

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	300	300	300	-	-	-	-	900
Financed by:								
Retained Earnings	300	300	300					900

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 is 50 years.

**WATER AND WASTE - WATERWORKS SYSTEM FUND**

Project Name: **Deacon Booster Pumping Station - Building Upgrades**

Department: Water and Waste - Capital Priority Rating: 5 - 3  
 Waterworks System

Project: 2005xxxxxy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	500	-	-	-	-	-	-	500
Financed by:									
Retained Earnings		500						-	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	-	-	-	-	-	-	500
Financed by:								
Retained Earnings	500							500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Deacon Chemical Feed Facility Upgrading**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Waterworks System

Project: 2002xxxxxy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	1,000	-	-	1,000	1,000
Financed by: Retained Earnings					1,000			1,000	1,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	1,000	-	-	-	1,000
Financed by: Retained Earnings				1,000				1,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Regional Pumping Stations Structural Upgrades**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Waterworks System

Project: 2005xxxxyy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	500	-	-	500	500
Financed by: Retained Earnings					500			500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	500	-	-	-	500
Financed by: Retained Earnings				500				500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 is 50 years.

**WATER AND WASTE - WATERWORKS SYSTEM FUND**

Project Name: **Safety Upgrades - Wilkes Reservoir "B" Pit**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Waterworks System

Project: 2011xxxxxy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	600	-	-	600	600
Financed by: Retained Earnings					600			600	600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	600	-	-	-	600
Financed by: Retained Earnings				600				600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Asbestos Containing Materials Operations & Maintenance Program**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: 2001000905

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	310	125	125	125	125	-	-	375	500
Financed by:									
Retained Earnings		125	125	125	125			375	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	125	125	125	125	-	-	-	500
Financed by:								
Retained Earnings	125	125	125	125				500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Branch I Aqueduct at Seine River - Riverbank Stabilization**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
Waterworks System

Project: 2003xxxxyy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	200	200	1,000	-	-	-	1,200	1,400
Financed by:									
Retained Earnings		200	200	1,000				1,200	1,400

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	200	200	1,000	-	-	-	-	1,400
Financed by:								
Retained Earnings	200	200	1,000					1,400

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Regional Pumping Stations Reliability Upgrades**

Department: Water and Waste -  
Waterworks System  
Project: 2005xxxxxy

Capital Priority Rating: 5 - 4

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	1,600	-	1,600	1,600
Financed by: Retained Earnings						1,600		1,600	1,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	1,600	-	-	1,600
Financed by: Retained Earnings					1,600			1,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Waterworks System Security Upgrades**

Department: Water and Waste - Capital Priority Rating: 5 - 2  
Waterworks System

Project: 2001xxxxyy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	200	500	500	500	500	500	500	2,500	3,000
Financed by:									
Retained Earnings		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	500	500	500	500	500	-	3,000
Financed by:								
Retained Earnings	500	500	500	500	500	500		3,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Assessments of Water System Infrastructure and Water Supply Sources**

Department: Water and Waste - Capital Priority Rating: 5 - 2

Project: 2001xxxxyy

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	750	750	750
Financed by: Retained Earnings							750	750	750

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	750	-	750
Financed by: Retained Earnings						750		750

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

A drinking water system Infrastructure Assessment study will be required in the future as mandated under the Provincial Drinking Water Safety Act. The objective of the report is to carry out an onsite evaluation to identify, analyze, and mitigate any potential adverse health risks and environmental impacts associated with the water system in a "source to tap" methodology. This work will also determine whether the water system's source, facilities, equipment, and operations are effective in producing safe drinking water, and meet the regulations in force.

The scope will also review projected water demands, treatment, and pumping capacities and any anticipated changes to water quality standards. The assessment report must be completed by an independent professional engineer.

Infrastructure assessment reports are required on a 5 year reporting frequency.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **McPhillips Reservoir Slope Stability Remediation**

Department: Water and Waste -  
Waterworks System  
Project: 2005xxxxxy

Capital Priority Rating: 5 - 2

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	120	-	-	-	-	-	-	120
Financed by:									
Retained Earnings		120						-	120

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	120	-	-	-	-	-	-	120
Financed by:								
Retained Earnings	120							120

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The west cell of the McPhillips reservoir parallels the back lane along Gallagher Avenue. A portion of the existing earthen side slope of the reservoir cell has failed. Geotechnical analysis and remediation works are required to correct the slope failure to prevent earth from the slope from encroaching on the back lane.

The expected life of this asset is 50 years.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Arc Flash Hazard Analysis and Remediation**

Department: Water and Waste - Capital Priority Rating: 5 - 3  
 Waterworks System

Project: 2001xxxxxy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	525	-	-	-	-	525	525
Financed by: Retained Earnings			525					525	525

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	525	-	-	-	-	-	525
Financed by: Retained Earnings		525						525

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

As part of the Canadian Standards Association Occupational Health and Safety program a new standard entitled Electrical Safety for Industry (CSA Z462) will be adopted within the new Canadian Electrical code. As a result of the new standard a study is required to determine (with the use of the SKM Systems Analysis software) the potential arc flash energy at various distribution points and provide recommendations to reduce these energies. Provision to upgrade equipment to lower fault energies and to provide procurement of personal protective equipment and training is included.

The expected life of this asset is 50 years.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Regional Servicing Strategy for Plan Winnipeg**

Department: Water and Waste - Capital Priority Rating: 1 - 3  
Waterworks System

Project: 2001xxxxxy Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	150	-	-	-	-	-	-	150
Financed by:									
Retained Earnings		150						-	150

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	150	-	-	-	-	-	-	150
Financed by:								
Retained Earnings	150							150

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

A Review of Plan Winnipeg commenced in 2007. Plan Winnipeg is City Council's long range policy plan. There is a requirement for regional servicing strategies as a component of the development plan. Funding has been allocated for the development of regional strategies for associated functional services; water, wastewater and land drainage, and to contribute to the overall land development plan for Winnipeg.

## WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Public Water Outlets**

Department: Water and Waste -  
Waterworks System  
Project: 2001xxxxyy

Capital Priority Rating: 5 - 2

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	500	-	-	-	-	-	-	500
Financed by: Retained Earnings		500						-	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	500	-	-	-	-	-	-	500
Financed by: Retained Earnings	500							500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

There are three public drinking water outlets in the City providing truck filling services for contractors or homeowners hauling water. Funds are required to perform an assessment of water sales, a review of the public water outlet locations, safety upgrades, and rehabilitation or decommissioning works. In some locations structural and mechanical repairs are required to maintain this service. Future funds may be required following the recommendations of the study.

Life expectancy will vary between 20 and 50 years.

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Capital Investment Fund**

Department: Water and Waste -  
Waterworks System  
Project: 2001xxxxyy

Capital Priority Rating: 3 - 2

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	1,850	-	-	-	-	-	-	1,850
Financed by:									
Retained Earnings		1,850						-	1,850

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,850	-	-	-	-	-	-	1,850
Financed by:								
Retained Earnings	1,850							1,850

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

Capital funding for project and budget management. Funding for individual projects is to be authorized by the Standing Policy Committee on Finance.

The 2008 Capital Investment Fund includes the following provision for capital projects:

2007 and prior	1,226
2008	624
	<u>1,850</u>

# WATER AND WASTE - WATERWORKS SYSTEM FUND

Project Name: **Watermain Renewals**

Department: Water and Waste -  
Waterworks System  
Project: 2013000106

Capital Priority Rating: 5 - 2

Service: Water

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	10,000	10,000	10,000	10,000	10,000	10,000	50,000	60,000
Financed by:									
Watermain Renewal Reserve		7,000	7,000	7,000	7,000	7,000	7,000	35,000	42,000
Retained Earnings		3,000	3,000	3,000	3,000	3,000	3,000	15,000	18,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	10,000	10,000	10,000	10,000	10,000	10,000	-	60,000
Financed by:								
Watermain Renewal Reserve	7,000	7,000	7,000	7,000	7,000	7,000		42,000
Retained Earnings	3,000	3,000	3,000	3,000	3,000	3,000		18,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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. Additional funding from Retained Earnings was added to the program due to the significant escalation of construction costs over the last few years. 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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Primary Clarifier Refurbishment - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 4

Project: 20310008yy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	8,200	1,500	-	-	-	-	-	-	1,500
Financed by: Retained Earnings		1,500						-	1,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,500	-	-	-	-	-	-	1,500
Financed by: Retained Earnings	1,500							1,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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. The original Primary Clarifier Cover project, first introduced into the 1992 Capital Budget Estimates forecast, was set up to implement a cover/ventilation system which would facilitate year round maintenance and operational flexibility, and provide odour control capability. The project scope of work and the budget were expanded to include replacement of the clarifier sweep mechanisms which have reached the end of their expected design/service life. The sweep mechanisms are integral to the proper operation of the clarifier.

Due to several factors that amounted to a significant increase in the capital funding required to complete the whole of the project, the Department recommended a deferral of the clarifier covering portion of the project. Funding for 2008 was adjusted to align with the revised scope of work.

On July 18, 2007, Council approved and the adopted the following:

*"That the scope of work for this project be amended to include only the replacement of the sweep mechanisms and their associated mechanical and electrical equipment and that the cover portion of the project not be delayed, with Administration reporting back to the Standing Policy Committee on Infrastructure Renewal and Public Works on the clarifier cover system expenditure."*

*"That the project name be changed from NEWPCC - Primary Clarifier Covers to NEWPCC - Primary Clarifier Refurbishment."*

The expected life of this asset is over 50 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Lift Stations Upgrading**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
 Sewage Disposal

Project: 2035000106 Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	9,898	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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Inflow / Infiltration / Cross-Connection Study and Mitigation**

Department: Water and Waste -

Capital Priority Rating: 3 - 3

Project: Sewage Disposal  
2041000106

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	2,500	750	-	-	-	-	-	-	750
Financed by:									
Retained Earnings		750						-	750

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	750	-	-	-	-	-	-	750
Financed by:								
Retained Earnings	750							750

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

This project involves locating and identifying sources of extraneous inflows entering the wastewater 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 wastewater treatment 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.

In 1990 new homes were required to have sump pumps and pits to collect foundation drainage and discharge this clean water onto the home owners land. The intent was to reduce this large source of extraneous flow to the wastewater treatment plants. It has been found that some home owners have illegally connected sump pumps to their wastewater sewer service. Investigations are required, along with public education, to determine the extent of this problem and to implement appropriate measures to rectify the situation. Areas where other sources of extraneous flow (such as manholes and sump pump discharges) are suspected will be investigated.

The expected life of this asset is 50 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Sewer System Isolation in Areas Protected by Secondary Dikes**

Department: Water and Waste -  
Sewage Disposal  
Project: 2030000206

Capital Priority Rating: 3 - 3

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND**

Project Name: **Raw Sewage Pump Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: 2031xxxxyy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	3,600	-	-	2,000	-	-	-	2,000	2,000
Financed by: Retained Earnings				2,000				2,000	2,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	2,000	-	-	-	-	2,000
Financed by: Retained Earnings			2,000					2,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND**

Project Name: **Surgewell Condition Assessment & Main Pump Hydraulic Rehabilitation - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 3  
 Sewage Disposal

Project: 20310009yy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
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	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	5,100	5,200	-	-	-	-	10,300
Financed by: Retained Earnings		5,100	5,200					10,300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 an engineering assessment of the condition and capacity of the conduit from the discharge chamber to the grit building, design and construction of a second surgewell, and a second discharge chamber with connections to the interceptors and pump suction headers. Future years funding will be dependent on the outcome of the condition assessment.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Waverley West Interceptor Sewer**

Department: Water and Waste - Capital Priority Rating: 5 - 2  
 Sewage Disposal

Project: 2037000906 Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	4,000	480	4,500	-	-	6,900	-	11,400	11,880
Financed by:									
Retained Earnings		480	4,500			6,900		11,400	11,880

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	480	4,500	-	-	6,900	-	-	11,880
Financed by:								
Retained Earnings	480	4,500			6,900			11,880

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 D'Arcy pumping station and river crossing is an integral part of the conveyance system and may require changes to its designated operation to satisfy this new development along with future consideration for a new gravity or forcemain system in conjunction with bridge reconstruction.

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 \$15,900,000 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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Upgrading External Power Supply - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste -  
Sewage Disposal  
Project: 2031xxxxyy

Capital Priority Rating: 5 - 2

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	4,000	-	4,000	4,000
Financed by: Retained Earnings						4,000		4,000	4,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	4,000	-	-	4,000
Financed by: Retained Earnings					4,000			4,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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. Effluent disinfection was 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 assessed and upgraded.

The life expectancy of this asset is 50 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Septage Acceptance Facility - Wastewater Pollution Control Centres**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: 2033xxxxxy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	300	3,500	-	-	-	-	-	-	3,500
Financed by:									
Retained Earnings		3,500						-	3,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	3,500	-	-	-	-	-	-	3,500
Financed by:								
Retained Earnings	3,500							3,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The West End Water Pollution Control Centre (WEWPCC) accepted 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. The design consultants for the WEWPCC Biological Nutrient Removal facility have recommended that this practice be stopped. On December 1, 2005, The Standing Policy Committee on Infrastructure Renewal and Public Works concurred in the recommendation. As of July 1, 2007, septage was no longer accepted at the WEWPCC and the septage receiving facility at the WEWPCC was closed. The funding in 2008 will be used to design and construct upgraded septage acceptance facilities at both the North and South End Water Pollution Control Centres.

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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Re-Roofing at Water Pollution Control Centres**

Department: Water and Waste -

Capital Priority Rating: 5 - 2

Project: 2030001006

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,178	400	-	400	-	400	-	800	1,200
Financed by:									
Retained Earnings		400		400		400		800	1,200

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	400	-	400	-	400	-	-	1,200
Financed by:								
Retained Earnings	400		400		400			1,200

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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. The funding for this ongoing program includes engineering, design, and re-roofing construction.

The expected life of this asset is 30 years.

**WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND**

Project Name: **Head Tank Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 4

Project: 2031xxxxxy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	500	-	-	500	500
Financed by: Retained Earnings					500			500	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	500	-	-	-	500
Financed by: Retained Earnings				500				500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Centrifuge Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
Sewage Disposal

Project: 2031xxxxyy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	6,900	-	-	6,900	6,900
Financed by: Retained Earnings					6,900			6,900	6,900

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	6,900	-	-	-	6,900
Financed by: Retained Earnings				6,900				6,900

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 South End and the West End Water Pollution Control Centres 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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **River Crossings Monitoring and Rehabilitation**

Department: Water and Waste - Capital Priority Rating: 5 - 4

Project: 2036000706

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	4,500	2,500	2,300	1,300	1,300	1,300	1,300	7,500	10,000
Financed by:									
Retained Earnings		2,500	2,300	1,300	1,300	1,300	1,300	7,500	10,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,500	2,300	1,300	1,300	1,300	1,300	-	10,000
Financed by:								
Retained Earnings	2,500	2,300	1,300	1,300	1,300	1,300		10,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

This project is for the rehabilitation and/or replacement of forcemain river crossings and for the installation of continuous leak detection equipment on the existing waterway crossings.

In 2007, the replacement of the Hart Forcemain river crossing in North Winnipeg was completed. Currently the Department is planning the replacement of the South Drive wastewater sewer (WWS) siphon river crossing in Fort Garry. The Hart Forcemain and the South Drive wastewater siphon cross the Red River.

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 prioritization 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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Asbestos Containing Materials Operations & Maintenance Program**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: Sewage Disposal  
2030000905

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	370	125	125	125	125	-	-	375	500
Financed by:									
Retained Earnings		125	125	125	125			375	500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	125	125	125	125	-	-	-	500
Financed by:								
Retained Earnings	125	125	125	125				500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

**WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND**

Project Name: **Digester Area Upgrades - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 4  
Sewage Disposal

Project: 2031xxxxxy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	600	-	700	-	-	-	700	1,300
Financed by: Retained Earnings		600		700				700	1,300

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	600	-	700	-	-	-	-	1,300
Financed by: Retained Earnings	600		700					1,300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Water Pollution Control Centre Reliability Upgrades**

Department: Water and Waste -  
Sewage Disposal  
Project: 20310010yy

Capital Priority Rating: 5 - 4

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	21,900	-	5,000	5,000	5,000	-	5,000	20,000	20,000
Financed by:									
Retained Earnings			5,000	5,000	5,000		5,000	20,000	20,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	5,000	5,000	5,000	-	5,000	-	20,000
Financed by:								
Retained Earnings		5,000	5,000	5,000		5,000		20,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Arc Flash Hazard Analysis and Remediation**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: Sewage Disposal  
2030xxxxxy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	1,600	-	-	-	-	-	-	1,600
Financed by:									
Retained Earnings		1,600						-	1,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	1,600	-	-	-	-	-	-	1,600
Financed by:								
Retained Earnings	1,600							1,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

As part of the Canadian Standards Association Occupational Health and Safety program a new standard entitled Electrical Safety for Industry (CSA Z462) will be adopted within the new Canadian Electrical code. This is a program to conduct an arc flash study utilizing the SKM software analysis system for the Land Drainage, Stormwater and Sanitary Pumping Stations including the North End Water Pollution Control Centre, South End Water Pollution Control Centre, and West End Water Pollution Control Centre. The intent of the study is to determine the potential arc flash energy at various distribution points and provide recommendations to reduce arc flash energies, upgrade equipment to lower fault energies, and to provide procurement of personal protective equipment and training. This is in preparation for compliance of the inclusion of arc flash requirements in the Electrical Code.

The expected life of asset is 50 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Regional Servicing Strategy for Plan Winnipeg**

Department: Water and Waste - Capital Priority Rating: 1 - 3

Project: Sewage Disposal  
2001xxxxyy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	350	-	-	-	-	-	-	350
Financed by:									
Retained Earnings		350						-	350

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	350	-	-	-	-	-	-	350
Financed by:								
Retained Earnings	350							350

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

A review of Plan Winnipeg commenced in 2007. Plan Winnipeg is City Council's long range policy plan. There is a requirement for regional servicing strategies as a component of the development plan. Funding has been allocated for the development of regional strategies for associated functional services; water, wastewater, and land drainage and also to contribute to the overall land development plan for Winnipeg.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Wastewater System Security Upgrades**

Department: Water and Waste -  
Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 2030xxxxxy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	100	-	-	-	-	100	100
Financed by:									
Retained Earnings			100					100	100

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	100	-	-	-	-	-	100
Financed by:								
Retained Earnings		100						100

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The wastewater system is made up of complex infrastructure that takes away sewage from Winnipeg homes and businesses. Operation of the wastewater system is subject to legislation including the 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 public health and safety. Funding is required for increased security measures to adequately protect the wastewater system.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **HVAC Replacement - West End Water Pollution Control Centre (WEWPCC)**

Department: Water and Waste -  
Sewage Disposal  
Project: 2030xxxxxy

Capital Priority Rating: 5 - 2

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	5,000	5,000	5,000
Financed by: Retained Earnings							5,000	5,000	5,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	5,000	-	5,000
Financed by: Retained Earnings						5,000		5,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

Currently all HVAC (Heating, Ventilating, and Air Conditioning) equipment at the WEWPCC is approximately 15 years old, which, based on information provided by the equipment suppliers, is the normal life expectancy of the majority of HVAC equipment at the WEWPCC. Most of this equipment operates continuously and in a severe duty application due to the off-gases resulting from the treatment processes.

In 2006 a mechanical condition and air balancing assessment was performed at the WEWPCC. It was determined that most of the HVAC equipment requires replacement and/or maintenance, and that there are several air balance issues that need to be corrected to maintain proper pressure relationships between classified and unclassified areas. It was also noted that some existing equipment is operating at near maximum capacity and will need to be re-sized. The total estimate for all work is \$15,000,000. The work is to be completed in stages starting in 2013.

The expected life of this asset is 25 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Traffic Safety Upgrades - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 3  
Sewage Disposal

Project: 2031xxxxyy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	1,800	1,800	1,800
Financed by: Retained Earnings							1,800	1,800	1,800

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	1,800	-	1,800
Financed by: Retained Earnings						1,800		1,800

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The 1990 dewatering expansion at NEWPCC considered the need for traffic lights on Main street at the exit due to the increase in large (WB-20, 30 KL, 6 - axle) truck traffic and the safety concerns associated therewith, but this did not proceed at that time. Since then, large truck traffic at NEWPCC has increased over time from 20 - 25 large trucks/day to upwards of 100-150, with considerable increases in large leachate and liquid sludge trucks, construction trucks, as well as septage trucks and delivery/staff and contractor vehicles associated with plant expansions which are currently underway (in addition to the 100 large trucks/day). Meanwhile, the Chief Peguis bridge and surrounding developments have resulted in exponential increases in vehicular traffic on Main Street.

Over time, construction traffic will be replaced and exceeded by new septage trucks due to the closing of a West End receiving facility, by chemical delivery trucks due to treatment processes under construction, and by sludge trucks due to expansions at the City's other plants now underway. A traffic expert consultant assignment is urgently required to assess and develop alternatives and consult with authorities and obtain any needed approvals, followed by construction works (traffic lights, ramps, roadways, R/R crossings, access, etc.) to alleviate traffic safety issues both with on-site traffic and ingress/egress at Main Street.

The expected life of this asset is over 50 years.

**WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND**

Project Name: **Holding Tanks Coating - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste -  
Sewage Disposal  
Project: 2031xxxxxy

Capital Priority Rating: 5 - 2

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	1,500	1,500	1,500
Financed by: Retained Earnings							1,500	1,500	1,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	1,500	-	1,500
Financed by: Retained Earnings						1,500		1,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The four original digesters at the NEWPCC, built in the mid 30's, are now used as digested sludge holding tanks, and are essential to the operation of the digested sludge dewatering facility, which serves all three of the City's wastewater treatment plants. The 75+ year old interior concrete walls are subject to corrosive gases and the interior wall and ceiling have deteriorated to the point where reinforcing steel is exposed in some areas. Assessment by qualified experts followed by rehabilitation and application of a sealant and/or coating is required to assure continued functionality of these tanks and avoid the expense of complete rebuilding.

The expected life of this asset is over 50 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Primary Clarifier Covers - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 3

Project: 2031xxxxyy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	-	-	-	-	18,000	18,000	18,000
Financed by: Retained Earnings							18,000	18,000	18,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	-	-	-	-	18,000	-	18,000
Financed by: Retained Earnings						18,000		18,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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. The original Primary Clarifier Cover project, first introduced into the 1992 Capital Budget Estimates forecast was set up to implement a cover/ventilation system which would facilitate year round maintenance and operational flexibility and provide odour control capability. The project scope of work and the budget were expanded to include replacement of the clarifier sweep mechanisms which have reached the end of their expected design/service life.

Due to several factors that amounted to a significant increase in the capital funding required to complete the project, the Department recommended a deferral of the clarifier covering portion of the project.

On July 18, 2007, Council approved and the adopted the following:

*"That the scope of work for this project be amended to include only the replacement of the sweep mechanisms and their associated mechanical and electrical equipment and that the cover portion of the project not be delayed, with Administration reporting back to the Standing Policy Committee on Infrastructure Renewal and Public Works on the clarifier cover system expenditure."*

The work required on the NEWPCC Clarifiers is now separated into two individual Projects: "Primary Clarifier Refurbishment" for the sweep mechanisms and their associated mechanical and electrical equipment and "Primary Clarifier Covers" for the facilitation of year round maintenance and odour control capability. The budget originally established for work required for the Clarifier Covers was developed in 2003. Recent construction cost increases averaging 15% per year, a better understanding of the required work and changes to the National Building Code have resulted in a new estimated cost of \$18,000,000.

The expected life of this asset is over 50 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Capital Investment Fund**

Department: Water and Waste - Capital Priority Rating: 3 - 2  
 Sewage Disposal

Project: 2031xxxxyy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)		2,818	-	-	-	-	-	-	2,818
Financed by:									
Retained Earnings		2,818						-	2,818

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	2,818	-	-	-	-	-	-	2,818
Financed by:								
Retained Earnings	2,818							2,818

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

Capital funding for project and budget management. Funding for individual projects is to be authorized by the Standing Policy Committee on Finance.

The 2008 Capital Investment Fund includes the following provision for capital projects:

2007 and prior	2,674
2008	144
	2,818
	2,818

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Environmental Impact Statement and Public Hearings**

Department: Water and Waste -  
Sewage Disposal  
Project: 2034xxxxyy

Capital Priority Rating: 5 - 4

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,100	200	200	200	200	200	-	800	1,000
Financed by:									
Environmental Reserve		200	200	200	200	200		800	1,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	200	200	200	200	200	-	-	1,000
Financed by:								
Environmental Reserve	200	200	200	200	200			1,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

Upon completion of the 2003 regulatory hearings of the Clean Environment Commission (CEC), 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.

Ongoing works to satisfy regulatory requirements will require documentation, monitoring, and support to demonstrate that the construction and operation of the completed projects relating to the CEC recommendations are meeting compliance terms and conditions.

Budgeted funds are for environmental assessment related studies/reports, public participation, regulatory liaison site specific assessments, monitoring and analysis, and future representation at hearings expected in the 2008 to 2013 horizon.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation**

Department: Water and Waste - Capital Priority Rating: 5 - 2

Project: Sewage Disposal 20380001yy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	20,228	-	7,000	8,000	9,000	9,000	10,000	43,000	43,000
Financed by: Environmental Reserve		-	7,000	8,000	9,000	9,000	10,000	43,000	43,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	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	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 the development of a CSO Master Implementation plan, technical and economic analyses, program development, staging of mitigation works, annual monitoring programs, pilot studies, land acquisition, integration with basement flood relief measures, and initiation and implementation of control measures.

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.

As more CSO's are diverted to the wastewater treatment plants, additional treatment will need to be added to process the wet weather flows to meet effluent limits set in Environment Act Licences issued for each plant.

The expected life of the sewer works is 50 years and the expected life of the SCADA system is 10 years.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Biosolids - Alternative Disposal Delivery & Management System**

Department: Water and Waste -

Capital Priority Rating: 5 - 3

Project: Sewage Disposal  
20310004yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	1,613	117	7,000	20,000	10,950	23,050	-	61,000	61,117
Financed by:									
Environmental Reserve		117	4,336	4,156	10,950	12,451		31,893	32,010
External Debt			2,664	15,844		10,599		29,107	29,107

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	117	7,000	20,000	10,950	23,050	-	-	61,117
Financed by:								
Environmental Reserve	117	4,336	4,156	10,950	12,451			32,010
External Debt		2,664	15,844		10,599			29,107

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The City of Winnipeg is reviewing its current land application practices of biosolids relative to regulation requirements, emerging requirements associated with nutrient management regulations, changes to quantity and quality from upgraded wastewater treatment plants, and risk and criticality assessments done at all three plants. If the Province changes its regulations to limit sludge application rates to agronomic rates and prohibits winter spreading, the City may have to 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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Effluent Disinfection and Nutrient Removal - West End Water Pollution Control Centre (WEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 4

Project: 2033xxxxxy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	35,273	7,410	4,190	-	-	-	-	4,190	11,600
Financed by:									
Canada Strategic Infrastructure Fund - Federal								-	-
Transfer to General Capital Fund								-	-
Transfer from other authorized projects								-	-
Environmental Reserve		7,410						-	7,410
External Debt			4,190					4,190	4,190

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	7,410	4,190	-	-	-	-	-	11,600
Financed by:								
Canada Strategic Infrastructure Fund - Federal								-
Transfer to General Capital Fund								-
Transfer from other authorized projects								-
Environmental Reserve	7,410							7,410
External Debt		4,190						4,190

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

In August 2005, an Environment Act Licence was issued to the City which imposed effluent limits of 1 mg/L phosphorus, 15 mg/L nitrogen, and 200 MPN of fecal coliforms. The upgrades required to meet the nutrient limits are underway through the construction of a Biological Nutrient Removal (BNR) facility which was started in September 2006 and is expected to be completed in October 2008. The design of a disinfection facility to meet the coliform limits on a year round basis has been completed and the cost of this facility has been estimated, however, the actual construction of this facility has been deferred pending a review of a less costly options.

The required funding in 2008 and 2009 is the consultant's latest cost estimate to complete the BNR facility and to build the disinfection facility as currently designed.

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.

## WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

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

Department: Water and Waste - Capital Priority Rating: 5 - 4

Project: 2032xxxxxy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	16,250	50,000	73,000	64,000	-	-	-	137,000	187,000
Financed by:									
Retained Earnings		22,800						-	22,800
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		27,200	46,525	48,865				95,390	122,590
Prior Years' Authorized External Debt		923	5,867					5,867	6,790
Transfer to General Capital Fund		(923)		(3,292)				(3,292)	(4,215)

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	50,000	54,879	53,586	13,160	15,375	-	-	187,000
Financed by:								
Retained Earnings	22,800							22,800
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	27,200	46,525	48,865					122,590
Prior Years' Authorized External Debt	923	5,867						6,790
Transfer to General Capital Fund	(923)		(3,292)					(4,215)

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## **WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND**

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### **Nutrient Removal / Expansion - South End Water Pollution Control Centre (SEWPCC) - (cont'd):**

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 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.

# WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Nutrient Removal - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Capital Priority Rating: 5 - 4

Project: Sewage Disposal 2031xxxxyy Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	4,500	10,000	21,000	-	150,000	150,000	65,000	386,000	396,000
Financed by:									
Environmental Reserve							11,643	11,643	11,643
External Debt		10,000	21,000		150,000	150,000	53,357	374,357	384,357

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	10,000	11,000	10,000	150,000	150,000	65,000	-	396,000
Financed by:								
Environmental Reserve						11,643		11,643
External Debt	10,000	11,000	10,000	150,000	150,000	53,357		384,357

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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 impact of changes in sludge quantity and quality resulting from BNR process upgrades will have a large impact on solids handling and land applications. The addition of wet weather treatment processes associated with combined sewer overflow (CSO) control must be considered in the overall BNR process design and operation effluent disinfection for wet weather.

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.

# WATER AND WASTE - SEWAGE DISPOSAL SYSTEM FUND

Project Name: **Sewer Renewal**

Department: Water and Waste -  
Sewage Disposal  
Project: 2039xxxxyy

Capital Priority Rating: 5 - 2

Service: Wastewater

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	N/A *	12,600	12,600	12,600	12,600	12,600	12,600	63,000	75,600
Financed by: Sewer System Rehabilitation Reserve		12,600	12,600	12,600	12,600	12,600	12,600	63,000	75,600

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	12,600	12,600	12,600	12,600	12,600	12,600	-	75,600
Financed by: Sewer System Rehabilitation Reserve	12,600	12,600	12,600	12,600	12,600	12,600		75,600

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WATER AND WASTE - SOLID WASTE DISPOSAL FUND

Project Name: **Landfill Cell Excavation**

Department: Water and Waste - Solid Capital Priority Rating: 3 - 3

Project: Waste Disposal

2062xxxxxy

Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	2,300	-	-	-	-	2,300	2,300
Financed by:									
Retained Earnings			2,300					2,300	2,300

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	2,300	-	-	-	-	-	2,300
Financed by:								
Retained Earnings		2,300						2,300

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WATER AND WASTE - SOLID WASTE DISPOSAL FUND

Project Name: **Summit Landfill Closure / Post-Closure**

Department: Water and Waste - Solid Capital Priority Rating: 3 - 2

Project: 2060xxxxxy

Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	800	150	300	300	300	300	150	1,350	1,500
Financed by:									
Retained Earnings		150	300	300	300	300	150	1,350	1,500

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	150	300	300	300	300	150	-	1,500
Financed by:								
Retained Earnings	150	300	300	300	300	150		1,500

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

# WATER AND WASTE - SOLID WASTE DISPOSAL FUND

Project Name: **Miscellaneous Land Acquisition**

Department: Water and Waste - Solid Capital Priority Rating: 3 - 2

Project: Waste Disposal  
2061xxxxxy

Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	100	-	100	-	-	-	-	100	100
Financed by:									
Retained Earnings			100					100	100

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	100	-	-	-	-	-	100
Financed by:								
Retained Earnings		100						100

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

**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.

## WATER AND WASTE - SOLID WASTE DISPOSAL FUND

Project Name: **Cordite Landfill Remedial Work**

Department: Water and Waste - Solid Capital Priority Rating: 3 - 3

Project: 2060xxxxxy

Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	252	-	-	-	-	-	-	252
Financed by:									
Retained Earnings		252						-	252

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	252	-	-	-	-	-	-	252
Financed by:								
Retained Earnings	252							252

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The Cordite Road Landfill is a closed landfill that was in operation between 1957 and 1975, and contains garbage over an area of approximately 9.8 ha and 12 metres high. There is a cover of earth and clay which protects the placed garbage from exposure to air and water. Significant areas of this cover have caved in, allowing excess water to enter, and potentially exposing garbage. This could lead to increased landfill liquid (leachate) production and expose the old garbage, which would be an environmental and public health issue.

The expected life of this facility is 100 years.

**WATER AND WASTE - SOLID WASTE DISPOSAL FUND**

Project Name: **Brady Landfill Staff Building**

Department: Water and Waste - Solid  
Waste Disposal  
Project: 2062xxxxxy

Capital Priority Rating: 3 - 2

Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2008 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2009	2010	2011	2012	2013		
Project Costs (\$000's)	-	-	1,000	-	-	-	-	1,000	1,000
Financed by:									
Retained Earnings			1,000					1,000	1,000

CASH FLOW	2008	2009	2010	2011	2012	2013	Beyond 2013	Total
Project Costs (\$000's)	-	1,000	-	-	-	-	-	1,000
Financed by:								
Retained Earnings		1,000						1,000

NET OPERATING IMPACT	2008	2009	2010
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
<b>SURPLUS/(DEFICIT)</b>	-	-	-

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

The Brady Road Landfill currently uses a modified 32-year old construction trailer as its site office, lunchroom, and training area. A 35-year old 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 Road Landfill 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.



**The City of Winnipeg**

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## **SERVICE BASED VIEW**

**2008**

**Capital Budget**

**and**

**2009 to 2013**

**Five Year Forecast**

**Adopted by Council December 18, 2007**

**Note:**

1. On March 26<sup>th</sup>, 2008, the 2008 Operating Budget was adopted, including the following recommendation, which reduced the previously adopted 2008 capital program and the internal financing requirement, specifically:

*"That the \$500,000.00 for Public Art previously approved in the 2008 Adopted Capital Budget be reduced to \$100,000.00 on a one-time basis to reduce debt and finance charges in the tax-supported operating budget."*

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CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)	ADOPTED CAPITAL						2008-2013 6 YEAR TOTAL BUDGET
	2008 Budget	FORECAST					
		2009	2010	2011	2012	2013	
<b>SUMMARY OF CAPITAL PROGRAM SERVICE BASED VIEW</b>							
<b>INFRASTRUCTURE RENEWAL AND PUBLIC WORKS</b>							
Roadway Construction and Maintenance	178,503	90,790	62,727	62,968	66,205	63,360	524,553
Transportation Planning and Traffic Management	3,274	3,250	2,950	2,950	2,950	2,950	18,324
Roadway Snow Removal and Ice Control	1,300	1,300	1,300	1,300	1,300	1,300	7,400
City Beautification	900	12,650	12,000	13,675	13,090	13,700	80,010
Land Drainage and Flood Control	14,895	6,405	6,026	5,498	6,251	6,091	37,469
Parks and Urban Forestry	7,198	24,962	24,771	25,879	27,036	30,491	149,854
Public Transit	16,715	19,150	16,525	19,625	22,000	14,150	111,995
Water	20,545	143,365	121,275	198,325	208,200	120,950	887,815
Wastewater	95,700	3,700	300	300	300	150	5,152
Solid Waste Collection & Disposal	402	305,572	247,874	330,520	347,332	253,142	1,823,872
Total Infrastructure Renewal and Public Works	339,432	305,572	247,874	330,520	347,332	253,142	1,823,872
<b>PROTECTION AND COMMUNITY SERVICES</b>							
Police Response	34,353	3,815	10,174	7,693	7,934	8,220	72,189
Fire and Rescue Response	1,792	2,600	2,600	2,600	840	850	6,082
Recreation	22,605	7,475	4,850	4,450	4,930	4,930	49,240
Libraries	1,250	3,500	2,500	2,000	4,700	3,700	15,650
Arts, Entertainment and Culture	160	2,000	2,000	2,000	2,000	3,000	11,000
Insect Control	160	160	160	160	160	160	480
Community Services - Other	250	250	250	250	250	250	1,000
Total Protection and Community Services	60,160	17,200	22,534	14,393	20,404	20,950	155,641
<b>PROPERTY AND DEVELOPMENT</b>							
Neighbourhood Revitalization	3,771	3,699	4,228	3,758	3,788	3,819	23,063
Heritage Conservation	200	500	400	200	200	200	1,500
Cemeteries	250	7,392	5,925	2,525	100	100	450
Property Asset Management	6,159	277	200	200	3,649	5,075	30,725
Planning Property and Development - Other	185	11,868	10,753	6,483	200	200	1,262
Total Property and Development	10,565	11,868	10,753	6,483	7,937	9,394	57,000
<b>CITY GOVERNANCE</b>							
Corporate	10,792	1,639	9,557	10,257	8,611	8,291	49,147
Council Services	150	1,850	900	700	700	700	5,000
Total City Governance	10,942	3,489	10,457	10,957	9,311	8,991	54,147
<b>TOTAL CAPITAL PROGRAM</b>	421,099	338,129	291,618	362,353	384,984	292,477	2,090,660

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL							2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	2009	2010	FORECAST				2013
						2011	2012	2013		
<b>CAPITAL PROJECTS LISTING SERVICE BASED VIEW</b>										
<b>INFRASTRUCTURE RENEWAL AND PUBLIC WORKS</b> <i>Roadway Construction and Maintenance</i> <i>Public Works</i>										
	Recreational Walkways and Bike Paths - Various Locations	3-1	1,500	1,000	1,000	1,000	1,000	1,000	6,500	
	New Regional Sidewalks	3-2	250	250	250	250	250	250	1,500	
	Active Transportation Corridors	3-3	600	100	100	100	100	100	1,100	
	Developer Payback - Various Locations	3-5	1,850	5,250	250		12,171		19,521	
	Kenaston Blvd - Academy Rd to Taylor Ave	3-6	100	100	100	100	100	100	600	
	Inkster Blvd - Keewatin St to Brookside Blvd	3-8	1,100	15,232	15,770				32,102	
	McGillivray Blvd - Waverley St to Columbia Dr	3-9	13,680						13,680	
	Regional and Local Streets	3-10	43,291	50,630	29,445	49,009	31,613	43,984	247,972	
	Sturgeon Rd Bridge (Sturgeon Creek)	3-12				2,033	10,977		13,010	
	Osborne St Bridge (Assiniboine River)	3-13			1,355	6,776	6,294		14,425	
	Jubilee Ave Overpass (Pembina Hwy)	3-14		896	7,638				8,534	
	Waverley St / CN Mainline Grade Separation	3-15			1,119				1,119	
	Louise Bridge (Red River) Rehabilitation or Replacement	3-16						1,581	1,581	
	Pembina Highway Underpass	3-17						6,323	6,323	
	St. James Street Bridge (Omand's Creek)	3-18						3,161	3,161	
	Ness Avenue Culvert (Sturgeon Creek)	3-19						3,161	3,161	
	Waterway Crossing and Grade Separations - Annual Program	3-20	2,000	2,000	2,000	2,000	2,000	2,000	12,000	
	Disraeli Bridge and Overpass Facility	3-21	38,000	2,000	2,000				42,000	
	Culvert Replacement Program - St. Matthews Ave (Omand's Creek)	3-22		1,792					1,792	
	Fort Garry Bridge Rehabilitation and Widening	3-23	10,238	7,840					18,078	
	Chief Peguis Trail - Henderson Hwy to Lagimodiere Blvd	3-25	62,000	2,000					64,000	
	Asset Management System - Various Divisions	3-26	100	100	100	100	100	100	600	
	<b>Corporate Finance</b>									
	Local Improvements - Ongoing Program	3-37	3,794	1,600	1,600	1,600	1,600	1,600	11,794	
	<b>Total Roadway Construction and Maintenance</b>		178,503	90,790	62,727	62,968	66,205	63,360	524,553	

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		DETAIL PAGE NO.	ADOPTED CAPITAL						2008-2013 6 YEAR TOTAL BUDGET
			2008 Budget	2009	2010	2011	2012	2013	
<b>Transportation Planning and Traffic Management Public Works</b>									
	Traffic Signals Enhancement	3-4	2,300	2,300	2,300	2,300	2,300	2,300	13,800
	Traffic Engineering Improvement - Various Locations	3-7	650	650	650	650	650	650	3,900
	Land Acquisition - Right of Way	3-29	324						324
<b>Planning Property and Development - other</b>									
	Riverbank Access Park and Dock Network	3-74	300						300
<b>Total Transportation Planning and Traffic Management</b>			3,274	3,250	2,950	2,950	2,950	2,950	18,324
<b>Roadway Snow Removal and Ice Control Public Works</b>									
	Sand / Salt Storage Facility	3-28	1,300						1,300
<b>Total Roadway Snow Removal and Ice Control</b>			1,300						1,300
<b>City Beautification Planning, Property and Development - other</b>									
	Downtown Enhancement Program	3-71	400	400	400	400	400	400	2,400
	Image Route Enhancements / Streetscaping	3-72	400	400	400	400	400	400	2,400
	Public Art Strategy	3-75	100	500	500	500	500	500	2,600
<b>Total City Beautification</b>			900	1,300	1,300	1,300	1,300	1,300	7,400

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL						2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST					2013
				2009	2010	2011	2012		
<b>Land Drainage and Flood Control</b>									
<b>Public Works</b>									
	Land Drainage Sewers - Regional / Local Streets	3-27	200	150	150	150	150	150	950
<b>Water and Waste</b>									
	Stormwater Retention Basin Rehabilitation	3-123	150	200	200	200	400	400	1,550
	Flood Pumping Station Rehabilitation	3-124	850	900	1,000	1,000	1,000	1,000	5,750
	Land Drainage and Combined Sewers Outfall Gate Structures	3-125	900	1,450	1,450	1,450	1,500	1,500	8,250
	Floodplain Management	3-126		700					700
	Seine River Waterway Acquisition	3-127	100	150	150	150	150	150	850
	Primary Dike Upgrading	3-128		250	300	1,500	1,390	1,500	4,940
	Land Drainage Safety Upgrading Program	3-129		200	200	100	200	200	900
	Charleswood & Wilkes South Land Drainage Project	3-130	1,343						1,343
	Land Drainage Asset Management Strategy	3-131				200			200
	Ravelston Land Drainage Pumping Station Upgrading	3-132	2,352						2,352
	Portable Flood Pumps	3-133	250	250					500
	Flood Equipment Storage Facility	3-134			500				500
	Combined Sewer Flood Relief	3-135	7,200	7,200	7,200	7,200	7,200	7,200	43,200
	Flood Relief Sewers - Separate	3-136	300	300	300	300	300	300	1,800
	Development Agreement Paybacks	3-137	750	500				500	1,750
	Fernbank Ave Land Drainage Sewer	3-138				875			875
	Outfall Rehabilitation	3-139	500	400	550	550	800	800	3,600
	<b>Total Land Drainage and Flood Control</b>		<b>14,895</b>	<b>12,650</b>	<b>12,000</b>	<b>13,675</b>	<b>13,090</b>	<b>13,700</b>	<b>80,010</b>
<b>Parks and Urban Forestry</b>									
<b>Public Works</b>									
	Reforestation - Improvements	3-31	383	383	383	383	433	383	2,348
	Athletic Fields - Improvements	3-32	200	200	200	200	200	200	1,200
	Parks - Improvements	3-33	1,250	900	808	262	617	677	4,514
	Playground Structures	3-34	1,750	1,750	1,750	1,750	1,800	1,800	10,600
	Pathway / Roadway / Tennis Court Upgrading	3-35	150	150			150	150	600
	Community Park Amenities	3-36	1,500	1,500	1,500	1,500	1,500	1,500	9,000
<b>Planning, Property and Development</b>									
	Riverbank Greenway Programs (formerly Pathways)	3-67	465	522	385	403	551	381	2,707
	Riverbank Stabilization - Physical Asset Protection - First Call on 2008 Capital Budget - St. Vital Park - \$900,000 (Council January 25, 2007)	3-69	1,500	1,000	1,000	1,000	1,000	1,000	6,500
	<b>Total Parks and Urban Forestry</b>		<b>7,198</b>	<b>6,405</b>	<b>6,026</b>	<b>5,498</b>	<b>6,251</b>	<b>6,091</b>	<b>37,469</b>

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL							2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST						2013
				2009	2010	2011	2012	2013		
<b>Public Transit</b>										
<b>Transit</b>										
	Transit Building Replacement / Refurbishment	3-120		6,109	7,522	9,951	12,906	36,488		
	Transit Security Enhancements	3-117	250	250				750		
	Fare Collection System	3-118		2,500	2,500			8,500		
	Innovative Transit Program	3-119	700	800	800	800	1,000	4,800		
	Transit Buses	3-121	12,711	15,112	15,057	16,285	16,585	90,153		
	Transit Improvements	3-122	3,054	6,109				9,163		
	<b>Total Public Transit</b>		16,715	24,771	25,879	27,036	30,491	149,854		
<b>Water</b>										
<b>Water and Waste - Waterworks System</b>										
	Long Term Zebra Mussel Mitigation	3-140					1,100	1,100		
	Saskatchewan Avenue Feedermain	3-141			1,300			1,300		
	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	500					500		
	Tache Booster Pumping Station Upgrading	3-144	800					800		
	Shoal Lake Aqueduct Intake Structure Condition Assessment	3-145	200	1,000				2,000		
	Disraeli Feedermain - Red River Crossing Rehabilitation / Replacement	3-146		2,500				2,500		
	Shoal Lake Intake Chloramination Facility	3-147	300		2,000			2,300		
	General Water Infrastructure Rehabilitation	3-148		300	300	300	300	1,200		
	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		200				200		
	Shoal Lake Aqueduct Asset Preservation	3-153				1,000		1,000		
	Water Supply Valve Installation / Replacement Program	3-154	1,500	1,500	1,500	1,500	1,500	9,000		
	Shoal Lake Intake Maintenance / Communication Facility Rehabilitation (formerly Shoal Lake Aqueduct Maintenance/Storage Facility)	3-155		700				700		
	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				900		
	Deacon Booster Pumping Station - Building Upgrades	3-159	500					500		
	Deacon Chemical Feed Facility Upgrading	3-160			1,000			1,000		
	Regional Pumping Stations Structural Upgrades	3-161			500			500		
	Safety Upgrades - Wilkes Reservoir "B" Pit	3-162			600			600		
	Asbestos Containing Materials Operations & Maintenance Program	3-163	125	125	125			500		

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL							2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	2009	2010	FORECAST				2013
						2011	2012	2013		
<b>Water and Waste - Waterworks System (continued)</b>										
	Branch 1 Aqueduct at Seine River - Riverbank Stabilization	3-164	200	200	1,000				1,400	
	Regional Pumping Stations Reliability Upgrades	3-165					1,600		1,600	
	Waterworks System Security Upgrades	3-166	500	500	500	500	500	500	3,000	
	Assessments of Water System Infrastructure and Water Supply Sources	3-167						750	750	
	McPhillips Reservoir Slope Stability Remediation	3-168	120						120	
	Arc Flash Hazard Analysis and Remediation	3-169		525					525	
	Regional Servicing Strategy for Plan Winnipeg	3-170	150						150	
	Public Water Outlets	3-171	500						500	
	Capital Investment Fund	3-172	1,850						1,850	
	Watermain Renewals	3-173	10,000	10,000	10,000	10,000	10,000	10,000	60,000	
	<b>Total Water</b>		20,545	19,150	16,525	19,625	22,000	14,150	111,995	
<b>Wastewater</b>										
	<b>Water and Waste - Sewage Disposal</b>									
	Primary Clarifier Refurbishment - NEWPCC	3-174	1,500						1,500	
	Lift Stations Upgrading	3-175	750	750	750	750	750	750	4,500	
	Inflow / Infiltration / Cross-Connection Study and Mitigation	3-176	750						750	
	Sewer System Isolation in Areas Protected by Secondary Dikes	3-177		500	1,000	1,000			2,500	
	Raw Sewage Pump Replacement - NEWPCC	3-178			2,000				2,000	
	Surgewell Condition Assessment & Main Pump Hydraulic Rehabilitation - NEWPCC	3-179		5,100	5,200				10,300	
	Waverley West Interceptor Sewer	3-180	480	4,500			6,900		11,880	
	Upgrading External Power Supply - NEWPCC	3-181					4,000		4,000	
	Septage Acceptance Facility - Wastewater Pollution Control Centres	3-182	3,500						3,500	
	Re-Roofing at Water Pollution Control Centres	3-183	400		400				1,200	
	Head Tank Replacement - NEWPCC	3-184						500	500	
	Centrifuge Replacement - NEWPCC	3-185					6,900		6,900	
	River Crossings Monitoring and Rehabilitation	3-186	2,500	2,300	1,300	1,300	1,300	1,300	10,000	
	Asbestos Containing Materials Operations & Maintenance Program	3-187	125	125	125	125	125		500	
	Digester Area Upgrades - NEWPCC	3-188	600		700				1,300	
	Water Pollution Control Centre Reliability Upgrades	3-189		5,000	5,000	5,000		5,000	20,000	
	Arc Flash Hazard Analysis and Remediation	3-190	1,600						1,600	
	Regional Servicing Strategy for Plan Winnipeg	3-191	350						350	
	Wastewater System Security Upgrades	3-192		100					100	
	HVAC Replacement - WEWPCC	3-193						5,000	5,000	

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	2009	2010	2011	2012	2013	
DETAIL PAGE NO.								
3-194	<u>Water and Waste - Sewage Disposal (continued)</u>						1,800	1,800
3-195	Traffic Safety Upgrades - NEWPCC						1,500	1,500
3-196	Holding Tanks Coating - NEWPCC						18,000	18,000
3-197	Primary Clarifier Covers - NEWPCC							2,818
3-198	Capital Investment Fund	2,818						2,818
3-199	Environmental Impact Statement and Public Hearings - Environmental Reserve	200	200	200	200	200		1,000
3-200	Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation		7,000	8,000	9,000	9,000	10,000	43,000
3-201	Biosolids - Alternative Disposal Delivery & Management System	117	7,000	20,000	10,950	23,050		61,117
3-202	Effluent Disinfection and Nutrient Removal - WEWPCC	7,410	4,190					11,600
3-204	Nutrient Removal / Expansion - SEWPCC	50,000	73,000	64,000				187,000
3-205	Nutrient Removal - NEWPCC	10,000	21,000		150,000	150,000	65,000	396,000
	Sewer Renewal	12,600	12,600	12,600	12,600	12,600	12,600	75,600
	<b>Total Wastewater</b>	<b>95,700</b>	<b>143,365</b>	<b>121,275</b>	<b>198,325</b>	<b>208,200</b>	<b>120,950</b>	<b>887,815</b>
3-206	<u>Solid Waste Collection &amp; Disposal</u>							
3-207	<u>Water and Waste - Solid Waste Disposal</u>		2,300					2,300
3-208	Landfill Cell Excavation	150	300	300	300	300	150	1,500
3-209	Summit Landfill Closure / Post-Closure		100					100
3-210	Miscellaneous Land Acquisition	252						252
	Cordite Landfill Remedial Work		1,000					1,000
	Brady Landfill Staff Building	402	3,700	300	300	300	150	5,152
	<b>Total Solid Waste Collection &amp; Disposal</b>	<b>339,432</b>	<b>305,572</b>	<b>247,874</b>	<b>330,520</b>	<b>347,332</b>	<b>253,142</b>	<b>1,823,872</b>
	<b>TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS</b>							

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL						2008-2013 6 YEAR TOTAL BUDGET
		2008 Budget	2009	2010	2011	2012	2013	
DETAIL PAGE NO.								
	<b>PROTECTION AND COMMUNITY SERVICES</b>							
	<i>Police Response</i>						616	
	<u>Winnipeg Police Service</u>						336	
	Renovations - 5th Floor Public Safety Building		336					
3-52	Emergency Exit Overpass - 4th Floor Public Safety Building to Parkade			616				
3-53	Replace Voice 2-Way Radio System	2,400	1,815	4,683			8,898	
3-54	Wireless Emergency 911 Upgrade		260				260	
3-55	Automated Fingerprint Identification System (AFIS) Replacement				500		500	
3-56	Police Priority Dispatch System			427			427	
3-57	Outdoor Shooting Range	700	896				1,596	
3-58	Central Processing Unit			4,188			4,188	
3-59	Identification Unit - Forensic Services							
3-60	Winnipeg Police Service Communications	2,108	768		7,611	8,220	18,707	
3-61	Digital Recording - Interview Rooms				7,193		7,193	
3-62	Police Building Replacement	29,145				323	323	
3-63	<b>Total Police Response</b>	34,353	3,815	10,174	7,693	7,934	29,145	
	<b>Fire and Rescue Response</b>						72,189	
	<i>Fire Paramedic Service</i>							
3-64	Facilities Replacement and Relocation Program	1,792		2,600		840	6,082	
	<b>Total Fire Paramedic Service</b>	1,792		2,600		840	6,082	
	<b>Recreation</b>							
	<i>Community Service Department</i>							
3-46	Recreational Facility Safety & Accessibility Improvements	400	600	300		400	2,100	
3-48	New Recreation and Leisure Facility Equipment Program	400	400				800	
3-50	Sports Facility Program	40					40	
	<b>Planning Property and Development - Building Services</b>							
3-93	Community Centres - Refurbishing and Improvements	540	500	500	500	500	3,040	
3-94	Arenas	525	525	525	525	525	3,150	
3-95	Indoor Aquatic Facilities - First Call on 2008 Capital Budget - Cindy Klassen Recreation Complex - \$1.1 million, Waterslide Replacement at Elmwood Kildonan Pool - \$250,000 (Council September 26, 2007)	2,450	2,450	2,450	2,450	2,530	14,860	
3-96	Outdoor Aquatic Facilities	350	350	450	450	450	2,500	
3-97	Community Facilities	200	200	200	200	200	1,200	
3-98	Fire / Life Safety Replacement / Asbestos Abatement	225	225	225	225	225	1,350	
3-101	UFF - Hockey Pen Light Standard Replacement	100	100	100	100	100	600	
3-102	Recreation and Leisure Facilities - First Call on 2008 Capital Budget - Spray Pad/Park Investment - \$286,598 (Council July 18, 2007)	17,375	2,125	100			19,600	
	<b>Total Recreation</b>	22,605	7,475	4,850	4,450	4,930	49,240	

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL							2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST						2013
				2009	2010	2011	2012	2013		
<b>Libraries</b>										
<b>Community Service Department</b>										
	Library Replacement - Various	3-39		3,000	2,000		4,000	2,000		11,000
	Library Shelving and Furniture Replacement Program	3-40		500			200	500		1,200
	Renovate and Refurbish Various Library Branches - First Call on 2008 Capital Budget - Cindy Klassen Recreation Complex - \$200,000 (Council September 26, 2007)	3-43	1,250				300	1,000		2,550
	Library Technology Upgrade and Replacement	3-45			500					500
	Library Signage, Safety and Accessibility	3-47					200	200		400
	<b>Total Libraries</b>		1,250	3,500	2,500		4,700	3,700		15,650
<b>Arts, Entertainment and Culture</b>										
<b>Community Service Department</b>										
	Assiniboine Park Amenities Improvements / Development	3-51		2,000	2,000	2,000				11,000
	<b>Total Arts, Entertainment and Culture</b>			2,000	2,000	2,000		3,000		11,000
<b>Insect Control</b>										
<b>Community Service Department</b>										
	Vehicle Guidance System & Office "Anti-Pesticide Registration" Management Software Package	3-42	160	160	160					480
	<b>Total Insect Control</b>		160	160	160					480
<b>Community Services - Other</b>										
<b>Community Service Department</b>										
	Imaging and Document Management	3-44		250	250	250				750
	Business Application Systems	3-49						250		250
	<b>Total Community Services - Other</b>			250	250	250		250		1,000
<b>TOTAL PROTECTION AND COMMUNITY SERVICES</b>			60,160	17,200	22,534	14,393	20,404	20,950		155,641

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL						2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST					2013
				2009	2010	2011	2012		
<b><u>PROPERTY AND DEVELOPMENT</u></b>									
<b><u>Neighbourhood Revitalization Public Works</u></b>									
	City-Wide Accessibility Program	3-30	350	250	250	250	250	250	1,600
<b><u>Community Service Department</u></b>									
	Community Incentive Grant Program	3-38	1,421	1,449	1,478	1,508	1,538	1,569	8,963
	Integrated Property Based Information Systems	3-41			500				500
<b><u>Planning, Property and Development</u></b>									
	Building Communities	3-76	2,000	2,000	2,000	2,000	2,000	2,000	12,000
	<b>Total Neighbourhood Revitalization</b>		3,771	3,699	4,228	3,758	3,788	3,819	23,063
<b><u>Heritage Conservation</u></b>									
	<b><u>Civic Accommodations</u></b>								
	Historic Building Stabilization	3-86	200	500	400		200	200	1,500
	<b>Total Heritage Conservation</b>		200	500	400		200	200	1,500
<b><u>Cemeteries</u></b>									
	<b><u>Planning, Property and Development</u></b>								
	Cemeteries - Improvements	3-68	250				100	100	450
	<b>Total Cemeteries</b>		250				100	100	450
<b><u>Property Asset Management</u></b>									
	<b><u>Planning, Property and Development</u></b>								
	Land Acquisition for General Unspecified Purposes	3-66	328	500	500	500	500	500	2,828
<b><u>Civic Accommodations</u></b>									
	General Building Renovation and Refurbishing	3-77	500		500	500	500	500	2,500
	Civic Buildings - Barrier Free Access	3-78			300	300	300		600
	Removal of Asbestos	3-79		100	300	100	124	100	724
	Roof Replacement	3-80	500	500	800	200	200	250	2,450

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL										2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST						2013			
				2009	2010	2011	2012	2013					
<b>Property Asset Management (continued)</b>													
	3-81		200	500	200	200	200	200	200	200	200	1,300	
	3-82	3,033	5,367									8,400	
	3-83	200		300								700	
	3-84											200	
	3-85											500	
	3-87	400		900								2,000	
	3-88		500	1,000								1,700	
	3-89			800		400						1,400	
	3-90											2,700	
	3-91			200		200						800	
	3-92	973										973	
	3-99	125	125	125	125	125	125	125	125	125	125	750	
	3-100	100	100									200	
		6,159	7,392	5,925	2,525	2,525	3,649	5,075				30,725	
<b>Planning Property and Development - Other</b>													
	3-65	185	165	200	200	200	200	200	200	200	200	1,150	
	3-73		112									112	
		185	277	200	200	200	200	200	200	200	200	1,262	
<b>TOTAL PROPERTY AND DEVELOPMENT</b>		10,565	11,868	10,753	6,483	6,483	7,937	9,394				57,000	

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of \$)		ADOPTED CAPITAL							2008-2013 6 YEAR TOTAL BUDGET	
		DETAIL PAGE NO.	2008 Budget	FORECAST						2013
				2009	2010	2011	2012	2013		
<b>CITY GOVERNANCE</b>										
<i>Corporate Internal Services</i>										
	Communications Network Infrastructure	3-108	648	633	638	643	642	642	3,852	
	Network Computing Initiatives	3-109	620	209	211	213	213	213	1,682	
	E-Government	3-110	250	1,057	1,070	617	629	629	3,773	
	PeopleSoft Upgrade	3-111			1,500	1,000	500	500	3,000	
	Data Warehouse / Business Intelligence	3-112		125	200		169		1,014	
	<i>Property Assessment</i>									
	Assessment Automation	3-113		500	500				2,000	
	<i>Corporate</i>									
	311 Customer Service	3-115	4,917						4,917	
	Capital Investment Fund	3-116	4,357	6,138	6,138	6,138	6,138	6,138	28,909	
	<b>Total Corporate</b>		10,792	9,557	10,257	8,611	8,291	8,291	49,147	
	<i>Council Services</i>									
	<i>City Clerks</i>									
	Office Automation	3-103	200		200		200	200	600	
	Corporate Records Centre	3-104				200			200	
	Election Systems	3-105		150					300	
	Voting Machine Replacement	3-106		250					1,750	
	City Archives	3-107	150	500	500	500	500	500	2,150	
	<b>Total Council Services</b>		150	900	700	700	700	700	5,000	
	<b>TOTAL CITY GOVERNANCE</b>		10,942	10,457	10,957	9,311	8,991	8,991	54,147	
	<b>TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW</b>		421,099	291,618	362,353	384,984	292,477	292,477	2,090,660	



The City of Winnipeg

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# Appendices

2008

Capital Budget

and

2009 to 2013

Five Year Forecast

Adopted by Council December 18, 2007

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## Appendix 1: City of Winnipeg Profile

Winnipeg is the vibrant capital of Manitoba, the geographic centre of Canada and North America. With a population of over 706,000 people of diverse backgrounds who bring an international, cosmopolitan flare to the City as well as a feeling of community. Winnipeg is home to 60% of Manitoba's residents and the City continues to grow.

### Location

Winnipeg is located at the geographic centre of North America situated at the junction of the Red and Assiniboine Rivers. It is the capital city of the province of Manitoba, which borders the provinces of Ontario to the east, Saskatchewan to the west, Nunavut to the North, and the U.S. states of Minnesota and North Dakota to the south.

Its geographic location places the city on the eastern edge of the Canadian prairies and the northern extension of North America's Great Plains region. The surrounding landscape is characterized by agricultural land utilized for grain production and livestock. In addition, the surrounding area also includes forests, marsh landscapes, and various lakes and rivers including Lake Winnipeg, the 3rd largest lake in Canada and 13th in the world.

Its central location makes Winnipeg easily accessible by air, road, and railway. Via major airlines, Winnipeg is only 2 hours from the cities of Calgary, Edmonton, Minneapolis, Chicago, and Denver. For those traveling by road east/west, Winnipeg is conveniently located on Canada's Trans Canada Highway and Yellowhead Route. For those traveling to and from the United States, Winnipeg is only 100 km (62 miles) north of the Canada U.S. border and connects directly with Interstate 29. Winnipeg is also accessible by railway as a destination along the "Canadian" route operated by VIA Rail Canada.

### Time Zone

Winnipeg's central location on the continent places it within North America's Central Time Zone. The difference to Eastern Time and Mountain Time zones is only one hour. There is a two hour difference between Winnipeg and Atlantic or Pacific Time zones. Manitoba observes Central Standard Time and Daylight Saving Time when clocks move ahead one hour the first Sunday in April and revert back one hour the last Sunday in October.

### Climate

Winnipeg experiences a continental climate characterized by four distinct seasons creating a variety of weather conditions throughout the year. Average temperatures range between -12.9 degrees Celsius (+8.8 degrees Fahrenheit) in the winter months to +25.4 degrees Celsius (+77.7 degrees Fahrenheit) in the summertime.

In terms of sunlight, Winnipeg receives over 2,300 hours of sunlight annually. Due to its northern location, Winnipeg residents enjoy up to 16 hours of sunlight daily during the summer months.

Winnipeg's precipitation averages approximately 51.4 centimetres (20.2 inches) per year.

The following are “Winnipeg Fast Facts”.

**LOCATION**

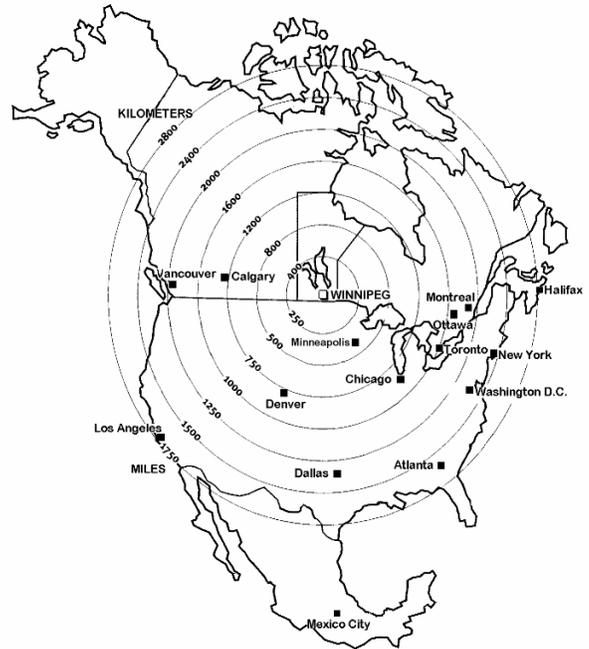
Winnipeg lies at the geographic centre of North America. Winnipeg is the capital city of Manitoba, a resource-rich province of over 1.1 million people bordered by Ontario to the east, Saskatchewan to the west, and North Dakota and Minnesota to the south. The city is just 100 km (62 miles) from the United States border and is the major Canadian centre closest to Mexico.

Winnipeg’s history is the tale of a prime meeting place at the junction of two rivers – the north-flowing Red and the east-flowing Assiniboine. The Forks, as the junction was named by 18th century fur traders, has been a hub for commerce and transportation for more than 6,000 years.

**DIVERSITY**

Winnipeg has the most diverse economy of major cities in Canada. Key industries include: transportation and distribution, aerospace, agribusiness, finance and insurance, biotechnology and life sciences, information and communications technology, media, electric power, apparel and furniture manufacturing.

Winnipeg is also one of the most culturally diverse cities anywhere. Some 100 languages are represented in the region and Winnipeg is well known for its cultural achievements and flourishing arts scene.



**ROAD DISTANCE** (in kilometers: 1km = 0.62 mile)

**AREA**

Total Area in City ..... 462 sq. km (178 sq. mi.)  
 Riverbank Frontage ..... 178 km (111 mi.)  
 Source: City of Winnipeg

**POPULATION**

Total Population of Census Metropolitan Area (2006)  
 ..... 706,749

**Population by Age Group**

17 and Under ..... 153,192  
 Age 18-24 ..... 69,406  
 Age 25-64 ..... 390,302  
 Age 65-74 ..... 44,915  
 75 and Over ..... 48,937  
 Median Age ..... 38.0  
 Source: Statistics Canada

Brandon, MB .....	200
Regina, SK.....	574
Saskatoon, SK.....	777
Edmonton, AB.....	1,302
Calgary, AB.....	1,329
Vancouver, BC.....	2,372
Kenora, ON.....	205
Thunder Bay, ON.....	702
Toronto, ON.....	2,079
Ottawa, ON.....	2,171
Montreal, QC.....	2,291
Quebec City, QC.....	2,535
Grand Forks, ND.....	231
Fargo, ND.....	350
Minneapolis, MN.....	742
Chicago, IL.....	1,384
Kansas City, MO.....	1,315
Detroit, MI.....	1,749
New York, NY.....	2,592
Denver, CO.....	1,760
Los Angeles, CA.....	3,125

Source: Culture, Heritage & Tourism, Province of Manitoba

**CLIMATE**

Average Summer Temperature.....	25.4°C (77.7°F)
Average Winter Temperature .....	-12.9°C (8.8°F)
Average Annual Precipitation.....	51.4cm (20.2")
Average Annual Rainfall .....	41.6cm (16.4")
Average Annual Snowfall.....	110.6cm (43.5")

Winnipeg has 2,372 hours of sunshine on average per year, among the highest of Canadian cities, and 2,727 hours of clear skies on average per year, the highest of Canadian cities.

Source: Environment Canada

**HOUSING****Average House Price Comparison (2006)**

Winnipeg, MB .....	\$160,778
Calgary, AB .....	\$346,675
Edmonton, AB .....	\$250,915
Halifax, NS .....	\$203,178
Montreal, QC .....	\$215,659
Ottawa, ON .....	\$257,481
Toronto, ON .....	\$352,388
Vancouver, BC .....	\$509,876

Source: Canadian Real Estate Association, Winnipeg REALTORS®

**Average Two Bedroom Apartment Rent (2006)**

Winnipeg, MB .....	\$709
Calgary, AB .....	\$960
Edmonton, AB .....	\$808
Halifax, NS .....	\$799
Montreal, QC .....	\$636
Ottawa, ON .....	\$941
Toronto, ON .....	\$1,067
Vancouver, BC .....	\$1,045

Source: Canadian Mortgage and Housing Corporation

**UTILITIES**

**Electric and Gas:** Manitoba Hydro, Centra Gas

**Water:** City of Winnipeg

**COMMUNICATION SERVICES**

**Newspapers:** Daily & Sunday: 2 Weekly: 5

**Radio Stations:** 24

**Television Stations:** CBC, CKY, Global, City-TV, Aboriginal Peoples Television Network

**Telephone Service:** MTS Communications Inc.

**Long Distance Services:** MTS, AT&T, Primus, Sprint, Telus

**Mail Service:** Canada Post, Purolator, Federal Express, UPS, Loomis

**RECREATION**

Park Sites.....	937
Park Area.....	10,260 acres
Golf Courses.....	24
Indoor Arenas.....	30
Curling Rinks .....	20
Indoor Swimming Pools.....	13
Recreation Centres .....	8
Libraries .....	20

**SPORTS & ENTERTAINMENT**

Canadian Football League Team (Winnipeg Blue Bombers)

American Hockey League Team (Manitoba Moose)

Northern Baseball League Team (Winnipeg Goldeyes)

Race Track

Casinos

Riverboat Tours

MTS Centre (seats 15,015)

Winnipeg Stadium (seats 33,000)

Winnipeg Convention Centre

Royal Winnipeg Ballet

Winnipeg Symphony Orchestra

IMAX Theatre

Performing Arts Organizations

Museums

Galleries

Arts Education Facilities

Assiniboine Park Zoo

Amusement Parks

Water Slides

Community Centres

Source: City of Winnipeg, Film and Cultural Affairs

**MEDICAL CARE**

Hospitals.....	9
Number of Beds .....	2,979
Personal Care Homes .....	41
Medical Doctors (in Manitoba) .....	2,074
Dentists.....	400
Doctors of Chiropractic.....	226

**EDUCATION****Post-Secondary Enrolment (2006)**

University of Manitoba .....	26,938
University of Winnipeg.....	9,341
St. Boniface College.....	1,187
Red River College .....	31,503
Canadian Mennonite University .....	570

Source: University of Manitoba, University of Winnipeg, Red River College, St. Boniface College, Canadian Mennonite University

**GROSS DOMESTIC PRODUCT**

Winnipeg CMA (2006) (1997 \$) ..... \$22 billion  
 Source: Conference Board of Canada Metropolitan Outlook, Winter 2007

**EMPLOYMENT BY INDUSTRY****WINNIPEG CMA****Employed Labour Force, by Industry (2006, in thousands)**

All industries .....	382.2
Goods-producing sector.....	70.8
Primary .....	3.1
Utilities.....	4.2
Construction .....	17.7
Manufacturing.....	45.8
Services-producing sector.....	311.4
Trade .....	60.4
Transportation and warehousing .....	23.5
Finance, insurance, real estate and leasing.....	25.4
Professional, scientific and technical services.....	18.9
Management of companies and administrative .....	14.3
Educational services.....	29.4
Health care and social assistance.....	52.4
Information, culture and recreation .....	17.5
Accommodation and food services .....	27.9
Other services.....	16.4
Public administration.....	25.5

Source: Statistics Canada, Labour Force Historical Review

**UNEMPLOYMENT RATE**

Winnipeg (2006).....	4.5%
Canada (2006).....	6.3%

Source: Statistics Canada

**RETAIL AND INCOME DATA**

Retail Sales (\$ millions, 2006).....	\$8,458
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Source: Statistics Canada

**Average Earnings**

	<b>Total</b>
Average Individual Income (2004).....	\$28,600
Average Family Income (2004).....	\$74,400

Source: Statistics Canada

**TOURISM**

Annual Visitors to Winnipeg (2004) .....	2.7 million
U.S. Visitors (2004).....	0.3 million
Total Visitor Expenditures (2004) .....	\$523 million

Source: Statistics Canada Cities Projects

Total Hotel & Motel Rooms .....	6,600
Winnipeg Convention Centre (total floor space) >160,000 sq.ft.	

**LARGE CORPORATIONS BASED IN WINNIPEG**

Great-West Lifeco Inc. ....	Insurance
Cargill Ltd.....	Agribusiness
Canadian Wheat Board .....	Agribusiness
CanWest Global Communications Corp.....	Media
Agricore United .....	Agribusiness
IGM Financial Inc. ....	Finance
Manitoba Telecom Services Inc.....	Telecommunications
Manitoba Hydro-Electric Board .....	Utility
Wawanesa Mutual Insurance Co. ....	Insurance
James Richardson & Sons, Ltd. ....	Conglomerate
Boeing Canada Inc.....	Manufacturing
Standard Aerospace Holdings Ltd. ....	Manufacturing
North West Company Fund .....	Merchant
Manitoba Public Insurance Corp. ....	Insurance
HudBay Minerals Inc.....	Mining
Ridley Inc. ....	Agribusiness
Winpak Ltd. ....	Manufacturing
Centra Gas Manitoba Inc .....	Utility
Manitoba Liquor Control Commission .....	Retail
Manitoba Lotteries Corp.....	Amusement
Paterson GlobalFoods Inc.....	Agribusiness
Palliser Furniture Ltd. ....	Manufacturing
Monsanto Canada Inc. ....	Chemical
Kitchen Craft of Canada Ltd.....	Manufacturing
Bison Transport Inc .....	Transportation
Buhler Industries Inc.....	Manufacturing
Dairy Farmers of Manitoba.....	Agribusiness
Boyd Group Income Fund .....	Service
Truserv Canada Cooperative Inc .....	Retail
Reimer Express Lines Ltd.....	Transportation
Pollard Banknote LP .....	Printing
Old Dutch Foods Ltd. ....	Manufacturing

Source: from Financial Post Business FP500, June 2006

**INDUSTRIAL SPACE**

Winnipeg has 12 fully serviced industrial parks collectively representing over 2,000 acres of space.

Average Net Rent (warehouse, per sq.ft.).....	\$4.00
Vacancy Rate .....	5%

Source: Colliers International

**COMMERCIAL/INDUSTRIAL LEASE RATES****Downtown Office Space**

Class "A" net average rent \$16.10 per sq.ft; vacancy rate 7.6%
Class "B" net average rent \$11.13 per sq. ft.; vacancy rate 4.8%
Class "C" net average rent \$9.43 per sq. ft.; vacancy rate 6.5%

Source: Cushman & Wakefield LePage

**VALUE OF BUILDING PERMITS**

Winnipeg (2006) .....	\$912 million
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Source: Statistics Canada

**TRANSPORTATION****Major Highway Systems**

- No. 1 Trans Canada (east-west) direct connection to all major urban centres in Canada
- Manitoba No. 75 South to connect with U.S. Interstate No. 29 and Minnesota No. 94 (Border crossing: Emerson)
- Manitoba No. 59 to connect with Minnesota No. 59 and U.S. #2 (Border Crossing: Tolstoi)

**Motor Freight Service**

Winnipeg is serviced by over 30 motor freight carriers. Having developed and maintained its position as a transportation centre, Winnipeg is the headquarters for eight of the top ranking inter-provincial general freight carriers:

Arnold Bros. Transport Ltd.	Bison Transport Services Ltd.
Kleysen Transport Ltd	Paul's Hauling Ltd.
Purolator Courier	Reimer Express Lines Ltd.
TransX Ltd.	Winnipeg Motor Express Inc.

In addition, Canadian Pacific Railway and Canadian National Railway operate intermodal terminals in Winnipeg.

Source: Manitoba Highways & Government Services

**Water Transportation**

- Port of Churchill provides Manitoba direct access to the sea
- Assiniboine River – navigable for recreation
- Red River – navigable for recreation

**Air Service**

The Winnipeg International Airport (YWG), operated by the Winnipeg Airports Authority Inc. is the only international airport between Toronto and Calgary capable of handling large freighter aircraft. YWG is competitively positioned as a 24-hour airport and serves nearly 3.4 million passengers, 140,000 aircraft movements, and handles over 150,000 metric tonnes of cargo annually.

Airlines operating out of Winnipeg International Airport:

**Passenger Carriers**

AeroMexico	Air Canada
Air Transat	Air West Aviation
Bearskin Airlines	Calm Air
Delta Airlines	Fast Air
First Air	Jazz Airlines
Keystone Air Service	Kivalliq Air
Northway Aviation	Northwest Airlines
Perimeter Aviation	Skyservice Airlines
United Express	WestJet Airlines
West Wind Aviation	Zoom Airlines

**Air Cargo Carriers**

Air Canada Cargo	Calm Air
Cargojet	FedEx
First Air	Northwest Cargo
Perimeter	Purolator
UPS	WestJet Cargo

Source: Winnipeg Airports Authority Inc.

**TRADE**

Total Merchandise Exports:

From Province of Manitoba (\$ millions, 2006)....	\$11,343
To the United States (\$ millions, 2006).....	\$8,596

Source: Manitoba Bureau of Statistics

Information provided by: [www.destinationwinnipeg.ca](http://www.destinationwinnipeg.ca)

# City of Winnipeg Council



**Mayor Sam Katz**



**Mike Pagtakhan**  
Point Douglas Ward



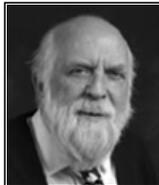
**Mike O'Shaughnessy**  
Old Kildonan Ward



**Harry Lazarenko**  
Mynarski Ward



**Jeff Browaty**  
North Kildonan Ward



**Harvey Smith**  
Daniel McIntyre Ward



**Scott Fielding**  
St. James - Brooklands Ward



**Grant Nordman**  
St. Charles Ward



**Bill Clement**  
Charleswood-Tuxedo Ward



**Brenda Leipsic**  
River Heights - Fort Garry Ward



**Justin Swandel**  
St. Norbert Ward



**Gord Steeves**  
St. Vital Ward



**Lillian Thomas**  
Elmwood - East Kildonan Ward



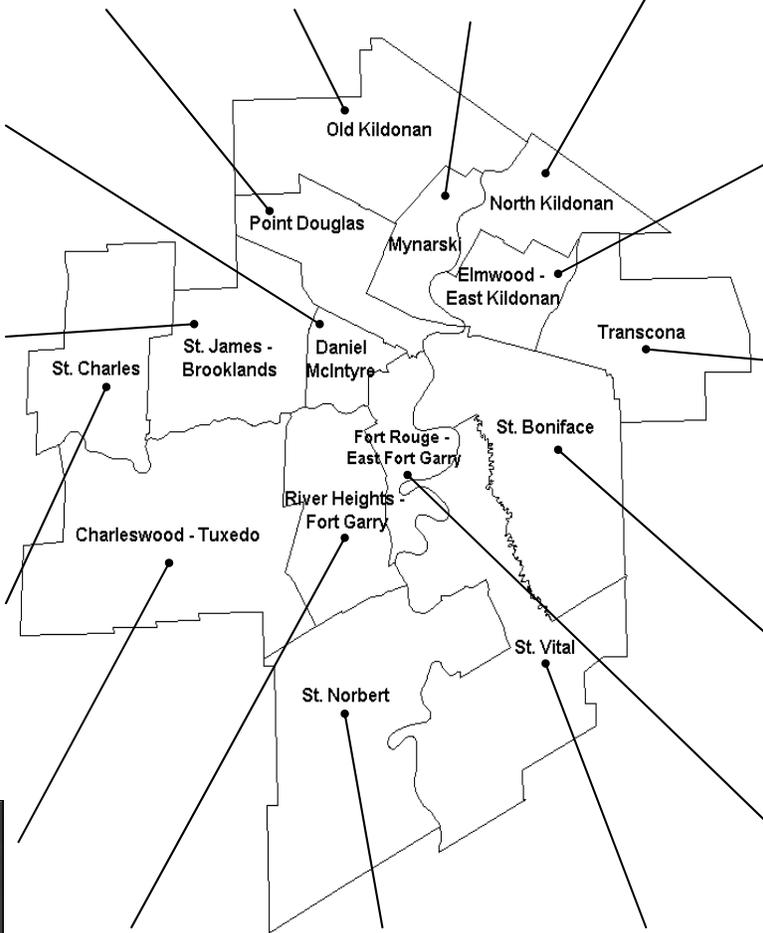
**Russ Wyatt**  
Transcona Ward



**Daniel Vandal**  
St. Boniface Ward



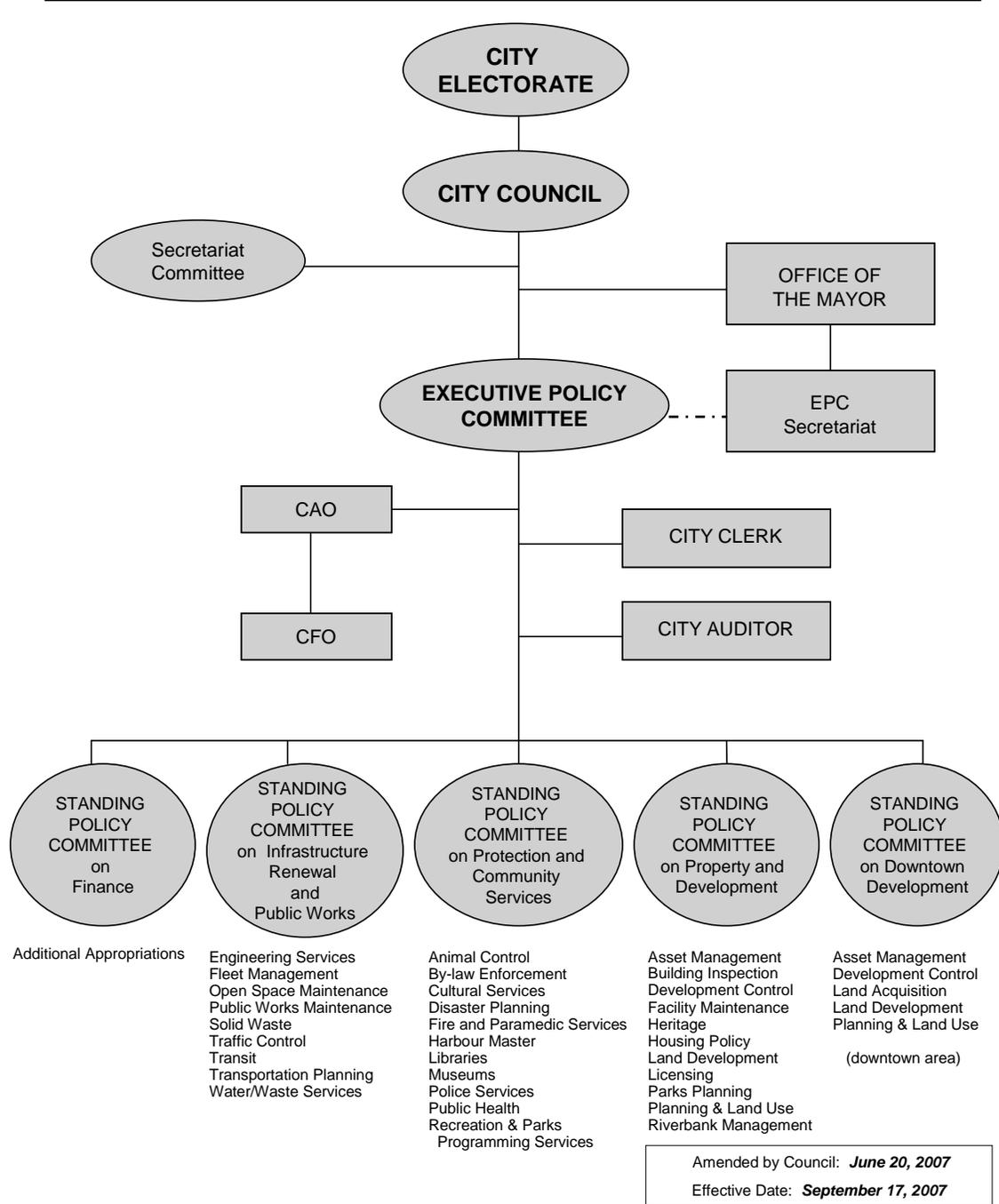
**Jenny Gerbasi**  
Fort Rouge - East Fort Garry Ward



# City of Winnipeg Organization

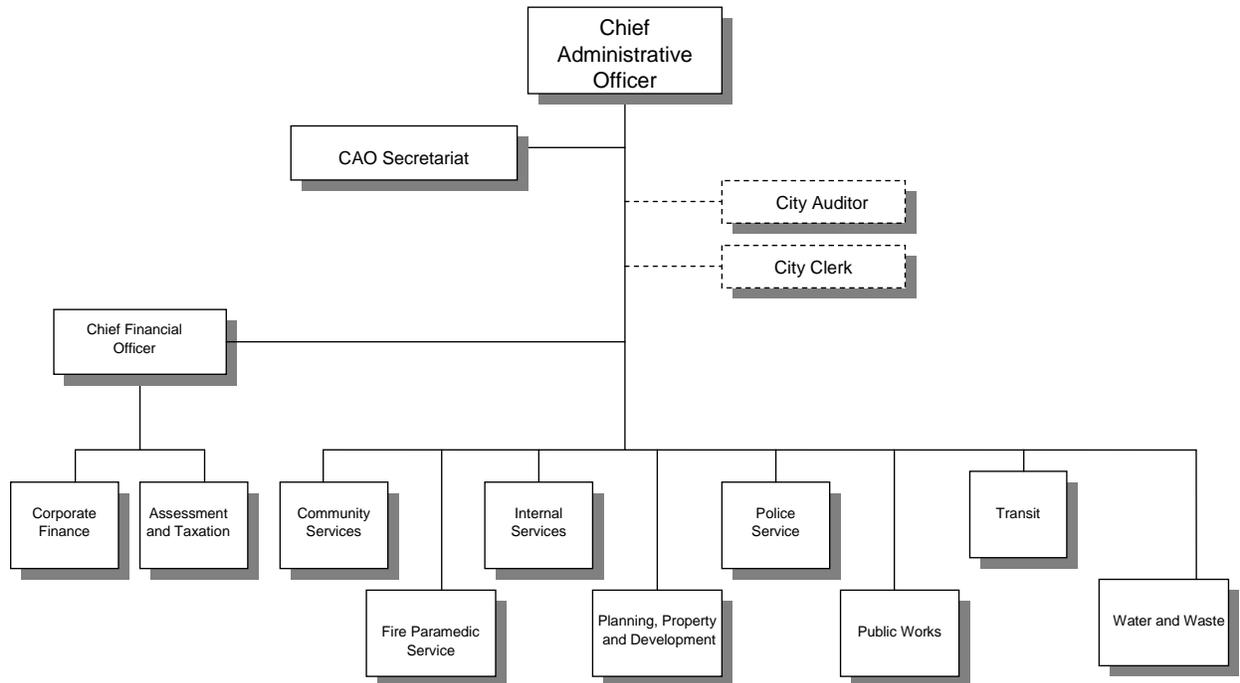
## CITY OF WINNIPEG EXECUTIVE AND FUNCTIONAL ORGANIZATION

APPENDIX "A" to  
By-law No. 7100/97



Amended by Council: **June 20, 2007**  
Effective Date: **September 17, 2007**

### CITY OF WINNIPEG ADMINISTRATIVE ORGANIZATION



Last Update: **November 21, 2007**

## Appendix 2: Capital Priority Rating System

The purpose of the Priority System is to provide a set of criteria by which proposed spending programs can be ranked in order of priority on a City-wide basis over the whole range of City functions and activities.

The System recognizes two basic factors, namely, priority of function (priority grouping) and degree of priority (sub-group rating).

Priority Groupings	Priority Points	
	Main	Sub
<p><b>A. <u>Vital Services</u></b>            Those basic elements of essential services which are vital to the day to day domestic, industrial, and commercial life of the City. Capital expenditures within this group would be related to:</p> <ol style="list-style-type: none"> <li>1. Sewage Disposal Collection System and treatment facilities.</li> <li>2. Water aqueduct reservoirs, pumping stations and trunk feeder mains</li> </ol>	5	
<p><b>B. <u>Essential Services</u></b>            Those basic services characterized by a high degree of public necessity, convenience and safety. Capital expenditures within this group would be related to:</p> <ol style="list-style-type: none"> <li>1. Public Transportation</li> <li>2. Fire and Police Protection</li> <li>3. Garbage Collection and Disposal</li> <li>4. Regional Street System</li> <li>5. Land Drainage</li> </ol>	3	
<p><b>C. <u>Standard Services</u></b>            Those services which would reasonably be expected to be provided to all citizens of the City for their convenience and in accordance with generally accepted standards. Capital expenditures within this group would be related to:</p> <ol style="list-style-type: none"> <li>1. Residential Street and Lane Construction (Local Improvements or other).</li> </ol>	2	

		<b>Priority Points</b>	
		<b>Main</b>	<b>Sub</b>
<b>D.</b>	<b><u>Desirable Services</u></b>	1	
	Those services having an aesthetic social, cultural, educational or entertainment value. Capital expenditures within this group would be related to:		
	1. Parks and Related Facilities		
	2. Recreational Facilities		
	3. Libraries		
	4. Museums		
	<b><u>Sub-Group Rating</u></b>		
	Could cause a serious imminent disruption of service (should be done without undue delay).		4
	Would extend or complete the expected usefulness and/or reliability of a facility (should not be delayed for more than 1 year).		3
	Would improve a facility which is at present sub-standard or approaching a high degree of obsolescence (should not be delayed for more than 2 years)		2
	Would qualify as a minimum sustaining program - desirable but not absolutely essential (could be delayed for 3 years or more).		1
<b>Note:</b>	A bonus of up to 2 points may be added to any of the subcategories 1 to 4 for projects that clearly contribute specifically to the City's declared development objectives.		

## Appendix 3: Historical Analysis of Borrowing Authority, Financing Sources, Application of Funds

### FINANCING SOURCES

Capital expenditures are funded from many sources besides debt. The following is a breakdown by the major categories for adopted capital budgets for 2003 to 2008.

	Adopted Capital Budgets					
	<u>2003<sup>1</sup></u>	<u>2004<sup>2</sup></u>	<u>2005<sup>3</sup></u>	<u>2006<sup>4</sup></u>	<u>2007<sup>5</sup></u>	<u>2008<sup>6</sup></u>
<b>CAPITAL AUTHORIZATIONS</b>						
General (including Transit and Civic Accommodations)	\$ 134,562	\$ 105,930	\$ 118,555	\$ 161,185	\$ 285,113	\$ 300,658
Local Improvements	1,105	11,125	2,393	5,729	2,569	3,794
Utilities	37,355	88,399	177,520	140,669	139,641	116,647
<b>TOTAL CAPITAL PROGRAM</b>	<b>173,022</b>	<b>205,454</b>	<b>298,468</b>	<b>307,583</b>	<b>427,323</b>	<b>421,099</b>
<b>LESS AVAILABLE FINANCING</b>						
Cash to Capital (Equity in Capital Assets Fund)	56,400	56,908	56,000	56,000	59,478	61,078
Reserves / Other City Funding	55,119	82,479	102,887	36,383	59,384	51,542
Retained Earnings	16,335	27,435	43,510	23,500	29,120	52,120
Provincial Funding	21,000	21,000	21,000	22,020	44,786	51,506
Federal Funding	-	-	-	37,640	41,273	20,514
Provincial / Federal Funding	14,995	6,338	23,000	31,798	5,713	5,187
Public Private Partnerships	-	-	-	-	107,905	126,895
Other	9,173	11,294	1,987	6,682	5,413	11,569
<b>TOTAL AVAILABLE FUNDING</b>	<b>173,022</b>	<b>205,454</b>	<b>248,384</b>	<b>214,023</b>	<b>353,072</b>	<b>380,411</b>
<b>BORROWING AUTHORITY REQUIRED FOR THE PROGRAM</b>	<b>-</b>	<b>-</b>	<b>50,084</b>	<b>93,560</b>	<b>74,251</b>	<b>40,688</b>
<b>LESS: BORROWING AUTHORITY REQUIRED FOR UTILITIES</b>	<b>-</b>	<b>-</b>	<b>50,084</b>	<b>81,300</b>	<b>69,138</b>	<b>37,200</b>
<b>BORROWING AUTHORITY FOR LOCAL IMPROVEMENTS / FEDERATION OF CANADIAN MUNICIPALITIES LOAN</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,260</b>	<b>\$ 5,113</b>	<b>\$ 3,488</b>

<sup>1-6</sup> See Page 5-14 for note details.

APPENDICES

**FINANCING**

The following information itemizes all the sources of financing for adopted capital budgets for 2003 to 2008.

	<u>2003<sup>1</sup></u>	<u>2004<sup>2</sup></u>	<u>2005<sup>3</sup></u>	<u>2006<sup>4</sup></u>	<u>2007<sup>5</sup></u>	<u>2008<sup>6</sup></u>
<b>FINANCING SOURCES OTHER THAN DEBT:</b>						
<b>Reserves / Other City Funding:</b>						
Cash to Capital (Equity in Capital Assets Fund)	\$ 56,400	\$ 56,908	\$ 56,000	\$ 56,000	\$ 59,478	\$ 61,078
Public Private Partnership Lease Payments	-	-	-	-	(1,478)	(1,838)
Interim Financing / (Repayments)	3,105	(4,119)	(6,881)	(3,544)	(916)	8,077
Watermain Renewal Reserve (frontage levy)	6,500	6,500	7,600	6,800	7,000	7,000
Aqueduct Renewal Reserve	3,900	-	-	-	-	-
Water Treatment Reserve	6,000	26,000	50,000	16,000	8,500	-
Combined Sewer Renewal Reserve (frontage levy)	18,580	18,580	17,580	-	-	-
Wastewater Sewer Renewal Reserve (frontage levy)	420	420	1,320	-	-	-
Sewer System Rehabilitation Reserve	-	-	-	-	15,080	12,600
Transit Reserve	6,026	7,015	5,015	7,160	5,885	6,098
Environmental Reserve	4,200	28,044	25,006	(4,007)	6,420	7,727
Library Technology Reserve	600	-	-	-	-	-
Land Dedication Reserve	-	-	-	275	-	-
Land Operating Reserve	-	-	-	-	2,737	973
Communications Account	-	-	-	650	-	-
Frontage Levy - local streets and sidewalks*	-	-	3,000	19,580	-	-
Frontage Levy - Land Drainage	-	-	-	-	7,500	7,500
General Purpose Reserve / (Repayments)	5,570	(208)	-	2,770	3,373	2,482
Contribution from Glacial Sand and Gravel Special Operating Agency	218	247	247	-	-	-
Federation of Canadian Municipalities Loan (repayment)	-	-	-	(6,808)	(3,417)	-
Transfer from Sewage Utility (prior years' authorized external debt)	-	-	-	(14,390)	7,600	923
Red River Community Centre	-	-	-	478	-	-
Transfers from other authorized projects	-	-	-	11,419	1,100	-
<b>Retained Earnings:</b>						
Waterworks System Retained Earnings	5,080	5,705	5,830	5,125	7,675	13,545
Sewage Disposal System Retained Earnings	11,255	21,730	35,880	17,775	20,945	38,173
Solid Waste Disposal System Retained Earnings	-	-	1,800	600	500	402
<b>Provincial Funding:</b>						
<b>Urban Capital Project Allocation III</b>						
<u>City Priorities - Unconditional Grant</u>						
Unallocated UCPA III - Unconditional	5,500	-	-	-	-	-
<u>Infrastructure Renewal &amp; Strategic Enhancement</u>						
Regular Transit Buses	3,000	-	-	-	-	-
Building Communities	1,075	-	-	-	-	-
Unallocated UCPA III - Infrastructure	6,425	-	-	-	-	-
<b>Urban Capital Project Allocation IV or alternate funding</b>						
<u>City Priorities - Unconditional Grant</u>						
Unallocated UCPA IV - Unconditional	-	11,500	11,800	-	-	-
<u>Infrastructure Renewal &amp; Strategic Enhancement</u>						
Regular Transit Buses	-	3,000	3,000	-	-	-
Building Communities	-	1,500	1,200	-	-	-
Manitoba Winnipeg Infrastructure Program (unallocated)	-	-	-	11,670	11,666	11,666
Provincial Funding for Residential Street Renewals	5,000	5,000	5,000	-	-	-
<u>Building Manitoba Fund</u>						
Regional and Local Streets	-	-	-	6,510	7,000	7,000
Transit - Regular Transit Buses	-	-	-	3,840	3,840	3,840
Province of Manitoba VLT Revenue for Convention Centre	-	-	-	-	-	-
Unallocated Provincial Funding	-	-	-	-	21,000	29,000
Provincial Payment for Gap in Transit Gas Tax Formula	-	-	-	-	1,280	-
	<b>\$ 148,854</b>	<b>\$ 187,822</b>	<b>\$ 223,397</b>	<b>\$ 137,903</b>	<b>\$ 192,768</b>	<b>\$ 216,246</b>

<sup>1-6</sup> See Page 5-14 for note details.

**FINANCING (continued)**

The following information itemizes all the sources of financing for adopted capital budgets for 2003 to 2008.

	<u>2003<sup>1</sup></u>	<u>2004<sup>2</sup></u>	<u>2005<sup>3</sup></u>	<u>2006<sup>4</sup></u>	<u>2007<sup>5</sup></u>	<u>2008<sup>6</sup></u>
<b>Federal Funding:</b>						
Federal Gas Tax	\$ -	\$ -	\$ -	\$ 23,280	\$ 16,413	\$ 20,514
Government of Canada (Bill C-66)	-	-	-	14,360	-	-
Public Transit Capital Trust Funds	-	-	-	-	24,860	-
<b>Provincial / Federal Funding:</b>						
<u>Canada / Manitoba Infrastructure Projects</u>						
Provencher Paired Bridges (Red River)	2,700	-	-	-	-	-
Redwood Bridge	1,000	-	-	-	-	-
Kenaston Underpass	330	-	23,000	-	-	-
Waterfront Drive	262	-	-	-	-	-
Leila Avenue - Altamont Street to Agnes Arnold Place	800	-	-	-	-	-
Regional and Local Streets	-	2,005	-	-	-	-
Red River Community Centre	600	-	-	-	-	-
Millennium Library	3,000	3,000	-	-	-	-
St. James Centennial Pool Multi-Use Expansion	-	-	-	-	-	-
Winnipeg Enterprises Canad Inn Stadium Turf Replacement	1,403	-	-	-	-	-
Various Cultural Centres	-	1,333	-	-	-	-
Rapid Transit Corridor (Phase 1)	3,300	-	-	-	-	-
<u>Canada Strategic Infrastructure Fund</u>						
Centrate Nutrient Reduction Treatment - NEWPCC	-	-	-	13,778	-	-
Effluent Disinfection and Nutrient Removal - WEWPCC	-	-	-	14,187	-	-
Recreation and Leisure Facilities	-	-	-	-	5,125	5,125
Kenaston Underpass	-	-	-	3,000	-	-
Winsmart - Urban Transportation Showcase	-	-	-	833	588	62
Permanent Secondary Dikes	1,600	-	-	-	-	-
<b>Other:</b>						
Public Private Partnerships	-	-	-	-	107,905	126,895
Developer Capacity Charges	1,100	-	1,000	3,357	5,413	1,069
Recoveries from Developers, Dakota St.	-	-	-	-	-	-
Recoveries from Developers, Leila Ave.	412	-	-	-	-	-
Wpg Library Foundation (Millennium Library)	3,000	4,000	-	-	-	-
District Receivable - Fairfield Park	-	6,960	942	-	-	-
School Divisions	-	-	45	-	-	-
Red River Community Centre Funding	-	-	-	325	-	-
Federation of Canadian Municipalities Grant	-	-	-	3,000	-	-
Transfers from Operating	4,661	334	-	-	-	-
Prior Years' Surplus (unallocated)	-	-	-	-	-	10,500
<b>TOTAL FINANCING SOURCES OTHER THAN DEBT</b>	<b>173,022</b>	<b>205,454</b>	<b>248,384</b>	<b>214,023</b>	<b>353,072</b>	<b>380,411</b>
<b>DEBT:</b>						
Local Improvement	-	-	-	5,452	1,696	3,488
Federation of Canadian Municipalities Loan	-	-	-	6,808	3,417	-
Utilities	-	-	50,084	81,300	69,138	37,200
<b>TOTAL DEBT</b>	<b>-</b>	<b>-</b>	<b>50,084</b>	<b>93,560</b>	<b>74,251</b>	<b>40,688</b>
<b>TOTAL CAPITAL PROGRAM</b>	<b>\$ 173,022</b>	<b>\$ 205,454</b>	<b>\$ 298,468</b>	<b>\$ 307,583</b>	<b>\$ 427,323</b>	<b>\$ 421,099</b>

<sup>1-6</sup> See Page 5-14 for note details.

APPENDICES

**APPLICATION OF FUNDS**

The following information, organized by department, provides a historical analysis of adopted capital budgets for 2003 to 2008.

	<u>2003<sup>1</sup></u>	<u>2004<sup>2</sup></u>	<u>2005<sup>3</sup></u>	<u>2006<sup>4</sup></u>	<u>2007<sup>5</sup></u>	<u>2008<sup>6</sup></u>
<b>TAX SUPPORTED CAPITAL</b>						
Public Works						
- Streets	\$ 46,678	\$ 32,331	\$ 54,863	\$ 61,599	\$ 156,693	\$ 179,833
- Parks & Open Spaces	3,643	1,918	1,625	1,033	3,383	5,233
- Special Projects	700	-	-	-	-	-
Land Drainage and Flood Control						
- Regional	12,394	12,050	11,130	12,700	16,100	14,195
- Residential	11,280	11,024	11,194	11,524	550	500
Winnipeg Police Service	-	-	2,266	-	20,655	34,353
Fire Paramedic Service	941	-	-	1,720	-	1,792
Internal Services	2,703	2,557	3,310	4,996	2,325	1,518
Community Services						
- Special Projects	5,568	2,723	3,798	2,243	2,835	2,421
- Libraries	4,600	8,000	300	611	689	1,250
Planning, Property and Development						
- Civic Accommodations	5,867	4,804	6,355	8,769	12,909	5,806
- Building Services	5,495	3,570	3,770	18,263	16,870	21,990
- Planning, Property and Development						
- Building Communities	2,150	3,000	2,400	-	400	2,000
- Other	3,049	1,210	1,400	4,100	5,350	3,628
Special Projects - Various Departments	15,060	8,650	650	2,075	4,446	9,424
Transit	14,434	14,093	15,494	31,552	41,908	16,715
<b>Total Tax Supported Capital Excluding Local Improvements</b>	<b>134,562</b>	<b>105,930</b>	<b>118,555</b>	<b>161,185</b>	<b>285,113</b>	<b>300,658</b>
Local Improvements	1,105	11,125	2,393	5,729	2,569	3,794
<b>Total Tax Supported Capital</b>	<b>135,667</b>	<b>117,055</b>	<b>120,948</b>	<b>166,914</b>	<b>287,682</b>	<b>304,452</b>
<b>UTILITIES CAPITAL</b>						
Waterworks System	21,480	38,205	97,430	109,485	84,675	20,545
Sewage Disposal System						
- Regional	15,455	49,774	76,970	29,194	39,386	83,100
- Residential	420	420	1,320	1,260	15,080	12,600
Solid Waste Utility	-	-	1,800	730	500	402
<b>Total Utilities Capital</b>	<b>37,355</b>	<b>88,399</b>	<b>177,520</b>	<b>140,669</b>	<b>139,641</b>	<b>116,647</b>
<b>TOTAL CAPITAL PROGRAM</b>	<b>\$ 173,022</b>	<b>\$ 205,454</b>	<b>\$ 298,468</b>	<b>\$ 307,583</b>	<b>\$ 427,323</b>	<b>\$ 421,099</b>

1 On February 25, 2004, Council resolved that frontage levies of \$5.040 million be applied to residential street and sidewalk renewal projects included in the 2003 Capital Budget, and that an equal amount be reallocated from residential street and sidewalk renewal to other Council approved projects included in the 2003 Capital Budget.

2 Revised to reflect March 23, 2004 Council decision to refer \$4.092 million to the 2005 capital budget process.

3 Revised to reflect March 22, 2005 Council decision to reduce the previously adopted 2005 capital program and the internal financing requirement by \$5.0 million.

4 Budget as adopted by Council on February 21, 2006. No revisions made to reflect Council's March 21, 2006 decisions to increase cash to capital for 2006 to \$56.5 million, nor to increase authorization for Regional and Local Streets by \$1 million to reflect the tabling of the Provincial Budget.

5 Revised to reflect January 24, 2007 Council decision to increase the Wastewater Renewal Program by \$3 million.

6 Revised to reflect March 26, 2008 Council decision to reduce the previously adopted 2008 capital program and the internal financing requirement by \$400,000.

## Appendix 4: Statement of Current and Authorized Debenture Debt

The following information provides an overview of the City's authorized net debt as at March 31, 2008. The City issues both Sinking Fund and Serial or Instalment debentures for funding capital expenditures. On a consolidated basis, the City includes mortgages and bank loans incurred by wholly-owned corporations of the City, as well as capital lease obligations, as outstanding debt of the City.

Beginning in 1998, the City adopted a policy of not issuing new tax-supported debt. Under its current capital plan, all new tax-supported projects are primarily financed internally. As a result, the level of tax-supported debt decreased by \$268.6 million from 1998, and is expected to decrease continuously over the next few years along with the associated debt-servicing costs. Furthermore, with the adoption of the 2006 Capital Budget, the administration was directed to identify and investigate the use of private-public partnerships (P3s) as a means of addressing future infrastructure needs. Within the utilities, the City anticipates issuing \$104.0 million in debt this year to finance a water treatment plant currently estimated to cost \$300.0 million. The Water Treatment Reserve, which was established on December 17, 1993, was used to fund a significant percentage of the cost for this project.

In February 2005, Council adopted The City of Winnipeg Debt Management Policy. The City recognized that the foundation of any well-managed debt program is a comprehensive debt policy. This Policy sets forth the parameters for issuing debt and managing outstanding debt and provides guidance to decision makers regarding the timing and purposes for which debt may be issued and the types of debt and structural features that may be incorporated.

(in Thousands of \$)	Tax-Supported	Utility Operations and Other Funds	Combined Total
Gross Debenture Debt as at December 31, 2007 Financial Statements	\$ 335,952	\$ 251,087	\$ 587,039
Equity in Sinking Fund	(144,747)	(102,849)	(247,596)
Net Debt	191,205	148,238	339,443
Unallocated Sinking Fund Surplus	(1,091)	-	(1,091)
<b>Net Debenture Debt as at December 31, 2007</b>	<b>\$ 190,114</b>	<b>\$ 148,238</b>	<b>\$ 338,352</b>
Debt Maturing during 2008	(11,206)	(2,500)	(13,706)
Sinking Fund Incremental Change during 2008	(15,169)	(11,578)	(26,747)
New Debt Issued in 2008	-	104,002	104,002
<b>Projected Net Debt as at December 31, 2008</b>	<b>\$ 163,739</b>	<b>\$ 238,162</b>	<b>\$ 401,901</b>
Previous Outstanding Borrowing Authorization	89,115	154,837	243,952
New Borrowing Authorized in 2008	3,488	37,200	40,688
<b>Total Authorized Net Debt as at March 31, 2008</b>	<b>\$ 256,342</b>	<b>\$ 430,199</b>	<b>\$ 686,541</b>

Note:

Does not include all capital lease obligations, debt incurred by Winnipeg Enterprises Corporation and Winnipeg Housing Rehabilitation Corporation or debt incurred or authorized for the City's Special Operating Agencies.



## **2008 Adopted Capital Budget**

**2009 to 2013 Five Year Forecast**