

2004 CAPITAL BUDGET
and
2005 to 2009 FORECAST

Adopted by Council December 16, 2003

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
SUMMARY OF CAPITAL PROGRAM							
TAX-SUPPORTED							
Public Works	**39,933**	**39,996**	**43,961**	**50,356**	**45,214**	**44,775**	**264,235**
Local Improvements	**11,125**	**500**	**500**	**600**	**600**	**600**	**13,925**
Land Drainage and Flood Control	**23,574**	**25,655**	**25,130**	**25,730**	**24,579**	**24,079**	**148,747**
Community Services & Community Incentive Grants	**10,723**	**4,098**	**2,704**	**3,674**	**3,703**	**8,103**	**33,005**
Winnipeg Police Service				**250**	**9,158**	**3,066**	**12,474**
Fire Paramedic Service		**1,720**		**1,600**		**1,900**	**5,220**
Planning, Property and Development (excluding Civic Accommodations)	**4,461**	**4,650**	**2,100**	**3,400**	**3,750**	**6,615**	**24,976**
Corporate Finance	**1,500**	**2,500**	**2,500**				**6,500**
City Clerks	**150**	**200**	**200**	**200**	**200**	**1,700**	**2,650**
Corporate Information Technology	**2,557**	**2,490**	**2,496**	**2,549**	**2,773**	**2,773**	**15,638**
Property Assessment			**1,000**	**500**	**500**	**500**	**2,500**
Other Projects	**7,634**	**5,500**	**5,500**	**5,500**	**5,500**	**6,400**	**36,034**
Tax-Supported General	**101,657**	**87,309**	**86,091**	**94,359**	**95,977**	**100,511**	**565,904**
Civic Accommodations	**5,397**	**6,300**	**7,505**	**8,609**	**9,300**	**4,721**	**41,832**
Transit	**14,093**	**16,693**	**21,676**	**18,017**	**17,593**	**17,593**	**105,665**
Total Tax-Supported Including Transit and Civic Accommodations	**121,147**	**110,302**	**115,272**	**120,985**	**122,870**	**122,825**	**713,401**
UTILITIES							
Waterworks System	**38,205**	**96,330**	**94,550**	**10,850**	**11,800**	**12,600**	**264,335**
Sewage Disposal System	**50,194**	**47,218**	**25,113**	**21,246**	**55,730**	**96,105**	**295,606**
Total Utilities	**88,399**	**143,548**	**119,663**	**32,096**	**67,530**	**108,705**	**559,941**
TOTAL CAPITAL PROGRAM	**209,546**	**253,850**	**234,935**	**153,081**	**190,400**	**231,530**	**1,273,342**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004	FORECAST					2004 - 2009 6 YEAR
	BUDGET	2005	2006	2007	2008	2009	TOTAL
SUMMARY OF FINANCING SOURCES							
TAX-SUPPORTED							
Equity in Capital Assets Fund	61,000	61,000	61,000	61,000	61,000	61,000	366,000
Frontage Levy	18,580	28,580	28,580	28,580	28,580	28,580	161,480
Reserves:							
- Transit Bus Replacement	7,015	7,015	9,317	9,317	12,143	12,143	56,950
- Repayment to the General Purpose Reserve	(208)	(2,434)	(2,928)				(5,570)
Transfer from 2003 Operating Budget	334						334
Contribution from Glacial Sand and Gravel	247	247	247	247	247	247	1,482
Repayment of Interim Financing	(4,119)	(6,881)	(3,544)	(916)	(600)	(145)	(16,205)
Contributions from Other Levels of Government:							
- Urban Capital Projects Allocation IV or alternate funding	16,000	16,000	16,000	16,000	16,000	16,000	96,000
- Canada / Manitoba Infrastructure	6,338						6,338
- Provincial contribution to residential streets	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Winnipeg Library Foundation	4,000						4,000
Local Improvement District Receivable	6,960						6,960
Developers		1,775	1,600	1,757	500		5,632
Total Tax-Supported Financing Sources	121,147	110,302	115,272	120,985	122,870	122,825	713,401
UTILITIES							
Frontage Levy	6,920	6,920	6,920	6,920	6,920	6,920	41,520
Reserves:							
- Water Treatment	26,000	50,000	16,000				92,000
- Environmental	28,044	8,393	7,143	11,376	17,082	13,538	85,576
Retained Earnings:							
- Waterworks	5,705	5,830	4,050	4,350	5,300	6,100	31,335
- Sewage Disposal	21,730	16,080	17,550	9,450	750	6,400	71,960
External Debt		56,325	68,000		37,478	75,747	237,550
Total Utility Financing Sources	88,399	143,548	119,663	32,096	67,530	108,705	559,941
TOTAL FINANCING SOURCES	209,546	253,850	234,935	153,081	190,400	231,530	1,273,342

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
CAPITAL PROJECTS LISTING							
PUBLIC WORKS							
Street Improvements							
Kenaston Blvd - Academy Rd to Taylor Ave	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Traffic Engineering Improvement - Various Locations	**700**	**700**	**700**	**700**	**700**	**700**	**4,200**
Land Acquisition - Transportation Rights-of-Way - Various Locations		**300**			**100**	**100**	**500**
Pedestrian and Cycle Facilities - Various Locations	**100**	**300**	**500**	**500**	**500**	**500**	**2,400**
St Anne's Rd - Novavista Dr to Warde Ave							
- Equity in Capital Assets Fund			**300**	**2,643**			**2,943**
- Developer Funding				**1,357**			**1,357**
Total St Anne's Rd - Novavista Dr to Warde Ave			**300**	**4,000**			**4,300**
Total Street Improvements	**900**	**1,400**	**1,600**	**5,300**	**1,400**	**1,400**	**12,000**
Regional and Local Streets							
- Equity in Capital Assets Fund	**20,888**	**9,304**	**9,461**	**15,134**	**13,392**	**13,053**	**81,232**
- Frontage Levy		**10,000**	**10,000**	**10,000**	**10,000**	**10,000**	**50,000**
- Contribution from Glacial Sand and Gravel	**247**	**247**	**247**	**247**	**247**	**247**	**1,482**
- Canada / Manitoba Infrastructure Program	**2,005**						**2,005**
- Provincial Contribution	**5,000**	**5,000**	**5,000**	**5,000**	**5,000**	**5,000**	**30,000**
Total Regional and Local Streets	**28,140**	**24,551**	**24,708**	**30,381**	**28,639**	**28,300**	**164,719**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004	FORECAST					2004 - 2009 6 YEAR
	BUDGET	2005	2006	2007	2008	2009	TOTAL
Waterway Crossing and Grade Separations							
Waterway Crossing and Grade Separations - Annual Maintenance Program	**1,100**	**150**	**1,700**	**5,500**	**8,000**	**7,500**	**23,950**
Disraeli Bridge and Overpass Facility	**600**	**700**	**5,092**	**1,100**			**7,492**
Maryland Twin Bridges Rehabilitation	**360**	**4,400**	**3,950**				**8,710**
Provencher Paired Bridges (Red River)							
- Equity in Capital Assets Fund	**9,300**	**6,100**	**2,100**				**17,500**
- Repayment of Interim Financing	**(6,900)**	**(6,100)**	**(2,100)**				**(15,100)**
Total Provencher Paired Bridges (Red River)	**2,400**						**2,400**
Redwood Bridge		**2,600**					**2,600**
Total Waterway Crossings & Grade Separations	**4,460**	**7,850**	**10,742**	**6,600**	**8,000**	**7,500**	**45,152**
Other Streets Projects							
Asset Management System - Various Divisions	**175**	**200**	**275**	**250**	**250**	**250**	**1,400**
Land Drainage Sewers - Regional / Local Streets	**100**	**250**	**250**	**250**	**150**	**150**	**1,150**
City-wide Accessibility Program	**250**	**250**					**500**
Total Other Streets Projects	**525**	**700**	**525**	**500**	**400**	**400**	**3,050**
TOTAL STREETS PROJECTS	**34,025**	**34,501**	**37,575**	**42,781**	**38,439**	**37,600**	**224,921**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
Parks and Open Space							
Streets - Aesthetic Improvements	100	100	100	100	100	100	600
Reforestation - Improvements	383	457	500	500	500	500	2,840
Athletic Fields - Development (formerly Athletic Fields - Phased Progression)	168		316				484
Athletic Fields - Improvements	198	595	300			300	1,393
Parks - Development (formerly Parks - Phased Progression)	370	273	150			300	1,093
Parks - Improvements	294		200	1,700	1,200	1,000	4,394
Playground Replacements (formerly Playground Upgrades)	125	300		250	250	250	1,175
Pathway / Roadway / Tennis Court Upgrading				150	150	150	450
Playgrounds	450						450
Total Parks and Open Spaces	2,088	1,725	1,566	2,700	2,200	2,600	12,879
Building Services							
Community Centres - Refurbishing and Improvements	500	350	500	500	500	500	2,850
Arenas	750	355	525	525	525	525	3,205
Indoor Aquatic Facilities	1,515	2,000	2,650	2,650	2,450	2,450	13,715
Outdoor Aquatic Facilities	475	365	395	450	450	450	2,585
Community Facilities	480	200	200	200	200	200	1,480
A/C Plant Refurbishing - Ozone Depletion Act Compliance		100	200	200	100	100	700
Fire / Life Safety Replacement / Asbestos Abatement	100	225	225	225	225	225	1,225
Security / Building Automation Systems Initiatives		175	125	125	125	125	675
Total Building Services	3,820	3,770	4,820	4,875	4,575	4,575	26,435
TOTAL PUBLIC WORKS	39,933	39,996	43,961	50,356	45,214	44,775	264,235

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004	FORECAST					2004 - 2009 6 YEAR
	BUDGET	2005	2006	2007	2008	2009	TOTAL
LOCAL IMPROVEMENTS - Ongoing Program							
- Equity in Capital Assets Fund	**1,384**	**1,281**	**1,944**	**1,516**	**1,200**	**745**	**8,070**
- Interim Financing	**2,781**	**(781)**	**(1,444)**	**(916)**	**(600)**	**(145)**	**(1,105)**
- District Receivable - Fairfield Park	**6,960**						**6,960**
LOCAL IMPROVEMENTS	**11,125**	**500**	**500**	**600**	**600**	**600**	**13,925**
COMMUNITY SERVICES							
Community Incentive Grant Program	**1,393**	**1,393**	**1,393**	**1,393**	**1,393**	**1,393**	**8,358**
Library Replacement - Various		**850**	**811**	**360**		**3,000**	**5,021**
Community Computer Access Program	**280**						**280**
Library Shelving and Furniture Replacement Program				**329**		**500**	**829**
Integrated Property Based Information Systems		**250**					**250**
Customer Information/Registration and Booking System				**350**	**250**	**150**	**750**
Vehicle Guidance System & Office "Anti-Pesticide Registration" Management Software Package					**160**	**160**	**320**
Facility Refurbishment Program					**150**	**150**	**300**
Renovate and Refurbish Various Library Branches					**1,250**		**1,250**
Imaging and Document Management					**500**		**500**
Knowledge-Enabled Customer Relationship Management (KCRM)						**750**	**750**
Assiniboine Park Amenities Improvements / Development	**1,050**	**1,605**	**500**	**1,242**		**2,000**	**6,397**
Millennium Library (Conditional Upon Other Funding Being in Place)							
- Equity in Capital Assets Fund	**1,000**						**1,000**
- Winnipeg Library Foundation	**4,000**						**4,000**
- Canada / Manitoba Infrastructure Program	**3,000**						**3,000**
Total Millennium Library	**8,000**						**8,000**
TOTAL COMMUNITY SERVICES	**10,723**	**4,098**	**2,704**	**3,674**	**3,703**	**8,103**	**33,005**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST					2004 - 2009 6 YEAR TOTAL
		2005	2006	2007	2008	2009	
WINNIPEG POLICE SERVICE							
Renovations - 5th Floor Public Safety Building						**500**	**500**
Automated Fingerprint Identification System - Palm Print Update				**250**			**250**
Emergency Exit Overpass - 4th Floor Public Safety Building to Parkade						**300**	**300**
Alternative Site for 911 and Police Communications Services						**2,266**	**2,266**
Replace Voice 2-Way Radio System					**8,898**		**8,898**
Wireless E-911 Upgrade					**260**		**260**
TOTAL WINNIPEG POLICE SERVICE				**250**	**9,158**	**3,066**	**12,474**
FIRE PARAMEDIC SERVICE							
Replacement of Station No. 21 - 730 Pandora Ave.		**1,579**					**1,579**
Burn Building Improvements		**141**					**141**
Pump and Aerial Test Facility						**300**	**300**
Replacement of Station No. 12 - 1710 Grosvenor Ave.				**1,600**			**1,600**
Station Replacement Program						**1,600**	**1,600**
TOTAL FIRE PARAMEDIC SERVICE		**1,720**		**1,600**		**1,900**	**5,220**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
PLANNING, PROPERTY AND DEVELOPMENT							
Computer Automation		200	200	300	175	175	1,050
Land Acquisition for General Unspecified Purposes		300			300	300	900
Weather Protected Pedestrian System	210			450	450	165	1,275
Riverbank Stabilization for City-Owned Riverbanks	200	200	200	200	200	200	1,200
Riverbank Greenway Programs		350		350		350	1,050
Land Acquisition - Riverbank		300		300		300	900
Cemeteries - Improvements	251	250	200	200	150	225	1,276
Riverbank Stabilization						1,900	1,900
Downtown Wayfinding	400	250	100				750
Downtown Enhancement Program	400	400	400	400	400		2,000
Image Route Enhancements / Streetscaping						400	400
Riverbank Access Park and Dock Network						700	700
Building Communities - Neighbourhood to be specified							
- Equity in Capital Assets Fund	1,500	1,200	500	600	1,038	950	5,788
- Provincial UCPA IV or alternate funding	1,500	1,200	500	600	1,037	950	5,787
Total Building Communities	3,000	2,400	1,000	1,200	2,075	1,900	11,575
Subtotal Planning, Property and Development (excluding Civic Accommodations)	4,461	4,650	2,100	3,400	3,750	6,615	24,976

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
Civic Accommodations							
General Building Renovation and Refurbishing		500	500	500	900	900	3,300
Civic Buildings - Barrier Free Access	104		150	250	225	225	954
Removal of Asbestos	168		200	100		100	568
Administration Building Alterations	200						200
Campus Area Security Upgrades					300		300
Roof Replacement				250	500	500	1,250
Fire Safety Upgrading - Various Locations			200	200	200	200	800
Public Works/ Water & Waste Departments Facilities Consolidation	2,100	500					2,600
Public Safety Building - Exterior Cladding	2,600	4,000					6,600
Cooling Plant Refurbishing				150			150
Energy Conservation		200	200	200			600
Restoration of Entrance Gates					200		200
Civic Centre Car Park Tunnel				200	500	500	1,200
Tenant Improvement Prepayment - Major Department		600	500	500		500	2,100
Historic Building Stabilization		500			400	500	1,400
Major Building HVAC Upgrades	225		500	400	400		1,525
Building Envelope - Evaluation and Emergency Repair			500	1,000	500	500	2,500
Winnipeg Police Service - Four District Model Building Replacement			4,755	4,859	5,175	796	15,585
Subtotal Civic Accommodations	5,397	6,300	7,505	8,609	9,300	4,721	41,832
TOTAL PLANNING, PROPERTY AND DEVELOPMENT	9,858	10,950	9,605	12,009	13,050	11,336	66,808

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004	FORECAST					2004 - 2009 6 YEAR
	BUDGET	2005	2006	2007	2008	2009	TOTAL
CORPORATE FINANCE							
Connexus	1,500	2,500	2,500				6,500
CITY CLERKS							
Office Automation	100	200	200	200	200	200	1,100
Electronic Records Management	50						50
Voting Machine Replacement						1,500	1,500
TOTAL CITY CLERKS	150	200	200	200	200	1,700	2,650
CORPORATE INFORMATION TECHNOLOGY							
Communications Network Infrastructure	723	611	610	649	648	648	3,889
Network Computing Initiatives	251	199	204	211	216	216	1,297
E-Government	1,583	1,680	1,682	1,689	1,909	1,909	10,452
TOTAL CORPORATE INFORMATION TECHNOLOGY	2,557	2,490	2,496	2,549	2,773	2,773	15,638
PROPERTY ASSESSMENT							
Assessment Automation			1,000	500	500	500	2,500

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
OTHER PROJECTS							
Special Innovative Capital	**134**						**134**
New Strategic Transportation Initiatives (Kenaston Underpass and Rapid Transit)	**5,000**	**5,000**	**5,000**	**5,000**	**5,000**	**5,900**	**30,900**
Various Cultural Centres							
- Equity in Capital Assets Fund	**333**						**333**
- 2003 Operating	**334**						**334**
- Canada / Manitoba Infrastructure Program	**1,333**						**1,333**
Total Various Cultural Centres	**2,000**						**2,000**
Public Art Strategy	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
TOTAL OTHER PROJECTS	**7,634**	**5,500**	**5,500**	**5,500**	**5,500**	**6,400**	**36,034**
TRANSIT							
Bus Radio System Replacement with AVL Enhancement		**2,000**	**1,659**				**3,659**
Fare Collection System			**4,000**	**2,000**			**6,000**
Innovative Transit Program	**200**	**700**	**700**	**700**	**700**	**700**	**3,700**
Transit Building Replacement/Refurbishment		**100**					**100**
Regular Transit Buses							
- Equity in Capital Assets Fund	**3,878**	**3,878**	**3,000**	**3,000**	**1,750**	**1,750**	**17,256**
- Transit Bus Replacement Reserve	**7,015**	**7,015**	**9,317**	**9,317**	**12,143**	**12,143**	**56,950**
- Province - UCPA IV or alternate funding	**3,000**	**3,000**	**3,000**	**3,000**	**3,000**	**3,000**	**18,000**
Total Regular Transit Buses	**13,893**	**13,893**	**15,317**	**15,317**	**16,893**	**16,893**	**92,206**
TOTAL TRANSIT	**14,093**	**16,693**	**21,676**	**18,017**	**17,593**	**17,593**	**105,665**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
WATER & WASTE							
Land Drainage and Flood Control - Tax-Supported Portion							
LAND DRAINAGE AND FLOOD CONTROL - REGIONAL							
Financed by Equity in Capital Assets:							
Stormwater Retention Basin Rehabilitation	**100**	**200**	**200**	**200**	**200**	**200**	**1,100**
Flood Pumping Station Rehabilitation	**1,600**	**1,200**	**700**	**1,000**	**1,000**	**1,000**	**6,500**
Land Drainage and Combined Sewers Outfall Gate Structures	**2,000**	**2,000**	**1,450**	**1,450**	**1,450**	**1,450**	**9,800**
Floodplain Management				**700**		**700**	**1,400**
St. Germain/Vermette Land Drainage Project	**300**	**300**	**400**	**400**			**1,400**
Permanent Land Drainage Pumping Station at Kilkenny and Rice		**500**					**500**
Seine River Waterway Acquisition	**150**	**150**	**150**	**150**	**150**	**150**	**900**
Primary Dike Upgrading			**800**	**800**	**800**	**800**	**3,200**
Land Drainage Safety Upgrading Program	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Charleswood & Wilkes South Land Drainage Project				**1,300**	**1,149**		**2,449**
Kildare Trunk Permanent Flood Pumping Station	**200**		**500**				**700**
Permanent Land Drainage Pumping Stations						**449**	**449**
Land Drainage Asset Management Strategy		**200**					**200**
Financed by Frontage Levy:							
Combined Sewer Flood Relief	**7,200**	**7,200**	**7,200**	**7,200**	**7,200**	**7,200**	**43,200**
Flood Relief Sewers - Separate	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Financed by Developer Capacity Charges:							
Development Agreement Paybacks		**400**	**500**	**400**	**500**		**1,800**
Fernbank Ave Land Drainage Sewer		**875**					**875**
South Tuxedo Stormwater Retention Basin		**500**	**1,100**				**1,600**
TOTAL LAND DRAINAGE AND FLOOD CONTROL - REGIONAL	**12,050**	**14,025**	**13,500**	**14,100**	**12,949**	**12,449**	**79,073**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
LAND DRAINAGE AND FLOOD CONTROL - RESIDENTIAL							
Combined Sewer Renewals - Frontage Levy	**11,080**	**11,080**	**11,080**	**11,080**	**11,080**	**11,080**	**66,480**
Outfall Rehabilitation - Equity in Capital Assets Fund	**444**	**550**	**550**	**550**	**550**	**550**	**3,194**
TOTAL LAND DRAINAGE AND FLOOD CONTROL - RESIDENTIAL	**11,524**	**11,630**	**11,630**	**11,630**	**11,630**	**11,630**	**69,674**
TOTAL LAND DRAINAGE AND FLOOD CONTROL	**23,574**	**25,655**	**25,130**	**25,730**	**24,579**	**24,079**	**148,747**
WATER WORKS SYSTEM - Utility Funding							
Financed by Waterworks Retained Earnings:							
Long Term Zebra Mussel Mitigation					**1,100**		**1,100**
Saskatchewan Avenue Feedermain				**1,300**			**1,300**
GWWD Railway Bridge Replacement				**550**			**550**
Lagimodiere Boulevard Feedermain Extension		**1,350**					**1,350**
McPhillips Pumping Station - Natural Gas Engine Replacement	**200**	**1,050**	**750**				**2,000**
MacLean Pumping Station - Natural Gas Engine Replacement	**200**	**1,800**					**2,000**
Water Supervisory Control and Data Acquisition (SCADA) Replacement	**225**						**225**
Computerized Work Management System	**350**						**350**
Branch II Aqueduct - Valves at Interconnection	**1,000**						**1,000**
Tache Booster Pumping Station Upgrading			**300**	**1,000**	**500**		**1,800**
Shoal Lake Aqueduct Intake Structure Condition Assessment					**200**	**800**	**1,000**
Disraeli Feedermain Condition Assessment	**100**						**100**
River Crossing Investigations	**500**						**500**
Shoal Lake Intake Chloramination Facility						**2,100**	**2,100**
Water Pumping Station Power Reliability Study		**900**					**900**
Customer Information and Billing System	**2,500**						**2,500**
General Water Infrastructure Rehabilitation			**2,500**	**1,000**	**1,000**		**4,500**
LBIS - Customer Service Conversion & Upgrade	**130**	**130**					**260**
Midtown Feedermain - Assiniboine River Crossing Replacement/Rehabilitation					**2,500**		**2,500**
Operation Accreditation / Emergency Response	**500**	**600**					**1,100**
Waverley West Feedermain - Phase 1						**2,500**	**2,500**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
Feedermain Condition Assessment Study - Phase 1						500	500
Water Utility Asset Management Strategy						200	200
Shoal Lake Aqueduct Asset Preservation			500	500			1,000
Watermain Renewals - Frontage Levy	6,500	6,500	6,500	6,500	6,500	6,500	39,000
Water Treatment Plant - Functional & Detailed Design & Construction							
- Water Treatment Reserve	26,000	50,000	16,000				92,000
- External Debt		34,000	68,000				102,000
Total Water Treatment Plant	26,000	84,000	84,000				194,000
TOTAL WATERWORKS (Utility Supported)	38,205	96,330	94,550	10,850	11,800	12,600	264,335
SEWAGE DISPOSAL SYSTEM - Utility Funding *							
Financed by Sewage Disposal System Retained Earnings:							
Primary Clarifier Upgrades (Covers) - NEWPCC	7,900						7,900
Outfall Capacity & Flood Protection Upgrading - NEWPCC		3,500	1,000	1,400			5,900
High River Level (Flood) Protection - SEWPCC		1,700	800				2,500
Capacity Study / Preliminary Engineering - SEWPCC	600	1,600	1,000				3,200
Clarifier Expansion - SEWPCC			8,500			500	9,000
Lift Station Upgrading	750	750	750	750	750	750	4,500
Inflow / Infiltration / Cross-Connection Study and Mitigation	1,000	600					1,600
Sewer System Isolation in Areas Protected by Secondary Dikes		1,000				1,000	2,000
Computerized Work Management System	350						350
Boiler Replacements - NEWPCC		700					700
Raw Sewage Pump Replacement - NEWPCC	1,200	400					1,600
Northeast Interceptor Extension - Regent to Dugald			5,500				5,500
Dugald Interceptor Rehabilitation	2,000	1,500					3,500
Assessment of Wastewater River Crossings, Forcemains & Pumping Stations	600						600

* Represents estimates for a 25 year plan to implement the Clean Environment Commission recommendations.

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
SEWAGE DISPOSAL SYSTEM - Utility Funding (continued) *							
Re-roofing of Grit Building - NEWPCC				300			300
Customer Information and Billing System	2,500						2,500
Surgewell Condition Assessment & Main Pump Hydraulic Rehabilitation - NEWPCC	1,300	2,700					4,000
Risk and Criticality Assessment of Water Pollution Control Centres	250						250
Miscellaneous Water Pollution Control Centre Reliability Upgrades	900						900
Miscellaneous Interceptor Sewer Rehabilitation	550						550
Wastewater Utility Asset Management Strategy	200						200
LBIS - Customer Service Conversion & Upgrades	130	130					260
Waverly West Interceptor Sewer - Phase 1						3,000	3,000
Digester Gas Conditioning - NEWPCC		1,500					1,500
Distributed Control System Upgrades - NEWPCC	1,500						1,500
Upgrading External Power Supply - NEWPCC						1,000	1,000
Replacement of Primary Electrical Feed - SEWPCC						150	150
Upgrading of Secondary Clarifiers - NEWPCC				7,000			7,000
Financed by Environmental Reserve:							
Wastewater Disinfection - WEWPCC	3,398						3,398
Effluent Ammonia and Nutrient Related River Water Quality Studies	500						500
Wastewater Sampler Upgrades	400						400
Environmental Impact Statement and Public Hearings	1,000			500			1,500
Public Notification	250						250
Environmental Management System, Standard Operating Procedures, Emergency Response Plans	500						500
Public/Aboriginal Consultation and Education Program	450						450
Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation							
- Environmental Reserve	4,488	6,751	1,698	1,732	5,079	5,180	24,928
- External Debt		8,127					8,127
Total Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation	4,488	14,878	1,698	1,732	5,079	5,180	33,055

* Represents estimates for a 25 year plan to implement the Clean Environment Commission recommendations.

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004 - 2009 6 YEAR TOTAL
SEWAGE DISPOSAL SYSTEM - Utility Funding (continued) *							
Centrate Nutrient Reduction Treatment - NEWPCC							
- Environmental Reserve	**9,946**						**9,946**
- External Debt		**11,395**					**11,395**
Total Centrate Nutrient Reduction Treatment - NEWPCC	**9,946**	**11,395**					**21,341**
Biosolids - Alternative Disposal Delivery & Management System							
- Environmental Reserve	**510**	**520**		**7,144**			**8,174**
- External Debt					**33,343**	**21,136**	**54,479**
Total Biosolids - Alternative Disposal Delivery & Management System	**510**	**520**		**7,144**	**33,343**	**21,136**	**62,653**
Nutrient Removal - WEWPCC							
- Environmental Reserve	**6,102**						**6,102**
- External Debt		**2,803**					**2,803**
Total Nutrient Removal - WEWPCC	**6,102**	**2,803**					**8,905**
Nutrient Removal - SEWPCC							
- Environmental Reserve			**5,445**		**2,000**	**8,358**	**15,803**
- External Debt						**54,611**	**54,611**
Total Nutrient Removal - SEWPCC			**5,445**		**2,000**	**62,969**	**70,414**
Nutrient Removal - NEWPCC							
- Environmental Reserve	**500**	**1,122**		**2,000**	**10,003**		**13,625**
- External Debt					**4,135**		**4,135**
Total Nutrient Removal - NEWPCC	**500**	**1,122**		**2,000**	**14,138**		**17,760**
TOTAL SEWAGE DISPOSAL - REGIONAL	**49,774**	**46,798**	**24,693**	**20,826**	**55,310**	**95,685**	**293,086**
SEWAGE DISPOSAL - RESIDENTIAL							
Wastewater Sewer Renewal - Frontage Levy	**420**	**420**	**420**	**420**	**420**	**420**	**2,520**
TOTAL SEWAGE DISPOSAL	**50,194**	**47,218**	**25,113**	**21,246**	**55,730**	**96,105**	**295,606**

* Represents estimates for a 25 year plan to implement the Clean Environment Commission recommendations.