

PRELIMINARY
2004 CAPITAL BUDGET
and
2005 to 2009 FORECAST

November 25, 2003

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004-2009 6 YEAR TOTAL BUDGET
SUMMARY OF CAPITAL PROGRAM							
TAX-SUPPORTED							
Public Works	**49,483**	**37,396**	**46,561**	**50,356**	**45,214**	**44,775**	**273,785**
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	**8,084**	**5,500**	**5,500**	**5,500**	**5,500**	**6,400**	**36,484**
Tax-Supported General	**111,657**	**84,709**	**88,691**	**94,359**	**95,977**	**100,511**	**575,904**
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	**131,147**	**107,702**	**117,872**	**120,985**	**122,870**	**122,825**	**723,401**
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	**219,546**	**251,250**	**237,535**	**153,081**	**190,400**	**231,530**	**1,283,342**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	PRELIMINARY CAPITAL						
	2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004-2009 6 YEAR TOTAL BUDGET
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	**28,580**	**28,580**	**28,580**	**28,580**	**28,580**	**28,580**	**171,480**
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)**	**(5,034)**	**(328)**				**(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	**131,147**	**107,702**	**117,872**	**120,985**	**122,870**	**122,825**	**723,401**
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	**219,546**	**251,250**	**237,535**	**153,081**	**190,400**	**231,530**	**1,283,342**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004-2009 6 YEAR TOTAL BUDGET
CAPITAL PROJECTS LISTING								
PUBLIC WORKS								
Street Improvements								
Kenaston Blvd - Academy Rd to Taylor Ave	3-1	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Traffic Engineering Improvement - Various Locations	3-2	**700**	**700**	**700**	**700**	**700**	**700**	**4,200**
Land Acquisition - Transportation Rights-of-Way - Various Locations	3-3		**300**			**100**	**100**	**500**
Pedestrian and Cycle Facilities - Various Locations	3-4	**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	3-5			**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**	**10,000**	**60,000**
- 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	3-6	**38,140**	**24,551**	**24,708**	**30,381**	**28,639**	**28,300**	**174,719**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004-2009 6 YEAR TOTAL BUDGET
Waterway Crossing and Grade Separations								
Waterway Crossing and Grade Separations - Annual Maintenance Program	3-8	**1,100**	**150**	**1,700**	**5,500**	**8,000**	**7,500**	**23,950**
Disraeli Bridge and Overpass Facility	3-9	**600**	**700**	**5,092**	**1,100**			**7,492**
Maryland Twin Bridges Rehabilitation	3-10	**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)	3-11	**2,400**						**2,400**
Redwood Bridge	3-12			**2,600**				**2,600**
Total Waterway Crossings & Grade Separations		**4,460**	**5,250**	**13,342**	**6,600**	**8,000**	**7,500**	**45,152**
Other Streets Projects								
Asset Management System - Various Divisions	3-13	**175**	**200**	**275**	**250**	**250**	**250**	**1,400**
Land Drainage Sewers - Regional / Local Streets	3-14	**100**	**250**	**250**	**250**	**150**	**150**	**1,150**
City-wide Accessibility Program	3-15	**250**	**250**					**500**
Total Other Streets Projects		**525**	**700**	**525**	**500**	**400**	**400**	**3,050**
TOTAL STREETS PROJECTS		**44,025**	**31,901**	**40,175**	**42,781**	**38,439**	**37,600**	**234,921**

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		2004 BUDGET	FORECAST					2004-2009 6 YEAR TOTAL BUDGET
			2005	2006	2007	2008	2009	
Parks and Open Space								
Streets - Aesthetic Improvements	3-16	**100**	**100**	**100**	**100**	**100**	**100**	**600**
Reforestation - Improvements	3-17	**383**	**457**	**500**	**500**	**500**	**500**	**2,840**
Athletic Fields - Development (formerly Athletic Fields - Phased Progression)	3-18	**168**		**316**				**484**
Athletic Fields - Improvements	3-19	**198**	**595**	**300**			**300**	**1,393**
Parks - Development (formerly Parks - Phased Progression)	3-21	**370**	**273**	**150**			**300**	**1,093**
Parks - Improvements	3-22	**294**		**200**	**1,700**	**1,200**	**1,000**	**4,394**
Playground Replacements (formerly Playground Upgrades)	3-23	**125**	**300**		**250**	**250**	**250**	**1,175**
Pathway / Roadway / Tennis Court Upgrading	3-24				**150**	**150**	**150**	**450**
Total Parks and Open Spaces		**1,638**	**1,725**	**1,566**	**2,700**	**2,200**	**2,600**	**12,429**
Building Services								
Community Centres - Refurbishing and Improvements	3-25	**500**	**350**	**500**	**500**	**500**	**500**	**2,850**
Arenas	3-26	**750**	**355**	**525**	**525**	**525**	**525**	**3,205**
Indoor Aquatic Facilities	3-27	**1,515**	**2,000**	**2,650**	**2,650**	**2,450**	**2,450**	**13,715**
Outdoor Aquatic Facilities	3-28	**475**	**365**	**395**	**450**	**450**	**450**	**2,585**
Community Facilities	3-29	**480**	**200**	**200**	**200**	**200**	**200**	**1,480**
A/C Plant Refurbishing - Ozone Depletion Act Compliance	3-30		**100**	**200**	**200**	**100**	**100**	**700**
Fire / Life Safety Replacement / Asbestos Abatement	3-31	**100**	**225**	**225**	**225**	**225**	**225**	**1,225**
Security / Building Automation Systems Initiatives	3-32		**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		**49,483**	**37,396**	**46,561**	**50,356**	**45,214**	**44,775**	**273,785**

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		2004 BUDGET	FORECAST					2004-2009 6 YEAR TOTAL BUDGET
			2005	2006	2007	2008	2009	
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	3-33	**11,125**	**500**	**500**	**600**	**600**	**600**	**13,925**
COMMUNITY SERVICES								
Community Incentive Grant Program	3-34	**1,393**	**1,393**	**1,393**	**1,393**	**1,393**	**1,393**	**8,358**
Library Replacement - Various	3-35		**850**	**811**	**360**		**3,000**	**5,021**
Community Computer Access Program	3-36	**280**						**280**
Library Shelving and Furniture Replacement Program	3-37				**329**		**500**	**829**
Integrated Property Based Information Systems	3-38		**250**					**250**
Customer Information/Registration and Booking System	3-39				**350**	**250**	**150**	**750**
Vehicle Guidance System & Office "Anti-Pesticide Registration" Management Software Package	3-40					**160**	**160**	**320**
Facility Refurbishment Program	3-41					**150**	**150**	**300**
Renovate and Refurbish Various Library Branches	3-42					**1,250**		**1,250**
Imaging and Document Management	3-43					**500**		**500**
Knowledge-Enabled Customer Relationship Management (KCRM)	3-44						**750**	**750**
Assiniboine Park Amenities Improvements / Development	3-45	**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	3-46	**8,000**						**8,000**
TOTAL COMMUNITY SERVICES		**10,723**	**4,098**	**2,704**	**3,674**	**3,703**	**8,103**	**33,005**

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		2004 BUDGET	FORECAST					2004-2009 6 YEAR TOTAL BUDGET
			2005	2006	2007	2008	2009	
WINNIPEG POLICE SERVICE								
Renovations - 5th Floor Public Safety Building	3-47						**500**	**500**
Automated Fingerprint Identification System - Palm Print Update	3-48				**250**			**250**
Emergency Exit Overpass - 4th Floor Public Safety Building to Parkade	3-49						**300**	**300**
Alternative Site for 911 and Police Communications Services	3-50						**2,266**	**2,266**
Replace Voice 2-Way Radio System	3-51					**8,898**		**8,898**
Wireless E-911 Upgrade	3-52					**260**		**260**
TOTAL WINNIPEG POLICE SERVICE					**250**	**9,158**	**3,066**	**12,474**
FIRE PARAMEDIC SERVICE								
Replacement of Station No. 21 - 730 Pandora Ave.	3-53		**1,579**					**1,579**
Burn Building Improvements	3-54		**141**					**141**
Pump and Aerial Test Facility	3-55						**300**	**300**
Replacement of Station No. 12 - 1710 Grosvenor Ave.	3-56				**1,600**			**1,600**
Station Replacement Program	3-57						**1,600**	**1,600**
TOTAL FIRE PARAMEDIC SERVICE			**1,720**		**1,600**		**1,900**	**5,220**

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PLANNING, PROPERTY AND DEVELOPMENT								
Computer Automation	3-58		**200**	**200**	**300**	**175**	**175**	**1,050**
Land Acquisition for General Unspecified Purposes	3-59		**300**			**300**	**300**	**900**
Weather Protected Pedestrian System	3-60	**210**			**450**	**450**	**165**	**1,275**
Riverbank Stabilization for City-Owned Riverbanks	3-61	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Riverbank Greenway Programs	3-62		**350**		**350**		**350**	**1,050**
Land Acquisition - Riverbank	3-63		**300**		**300**		**300**	**900**
Cemeteries - Improvements	3-64	**251**	**250**	**200**	**200**	**150**	**225**	**1,276**
Riverbank Stabilization	3-65						**1,900**	**1,900**
Downtown Wayfinding	3-66	**400**	**250**	**100**				**750**
Downtown Enhancement Program	3-67	**400**	**400**	**400**	**400**	**400**		**2,000**
Image Route Enhancements / Streetscaping	3-68						**400**	**400**
Riverbank Access Park and Dock Network	3-69						**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	3-70	**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**

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Civic Accommodations								
General Building Renovation and Refurbishing	3-71		500	500	500	900	900	3,300
Civic Buildings - Barrier Free Access	3-72	104		150	250	225	225	954
Removal of Asbestos	3-73	168		200	100		100	568
Administration Building Alterations	3-74	200						200
Campus Area Security Upgrades	3-75					300		300
Roof Replacement	3-76				250	500	500	1,250
Fire Safety Upgrading - Various Locations	3-77			200	200	200	200	800
Public Works/ Water & Waste Departments Facilities Consolidation	3-78	2,100	500					2,600
Public Safety Building - Exterior Cladding	3-79	2,600	4,000					6,600
Cooling Plant Refurbishing	3-80				150			150
Energy Conservation	3-81		200	200	200			600
Restoration of Entrance Gates	3-82					200		200
Civic Centre Car Park Tunnel	3-83				200	500	500	1,200
Tenant Improvement Prepayment - Major Department	3-84		600	500	500		500	2,100
Historic Building Stabilization	3-85		500			400	500	1,400
Major Building HVAC Upgrades	3-86	225		500	400	400		1,525
Building Envelope - Evaluation and Emergency Repair	3-87			500	1,000	500	500	2,500
Winnipeg Police Service - Four District Model Building Replacement	3-88			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

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CORPORATE FINANCE								
Connexus	3-89	**1,500**	**2,500**	**2,500**				**6,500**
CITY CLERKS								
Office Automation	3-91	**100**	**200**	**200**	**200**	**200**	**200**	**1,100**
Electronic Records Management	3-92	**50**						**50**
Voting Machine Replacement	3-93						**1,500**	**1,500**
TOTAL CITY CLERKS		**150**	**200**	**200**	**200**	**200**	**1,700**	**2,650**
CORPORATE INFORMATION TECHNOLOGY								
Communications Network Infrastructure	3-94	**723**	**611**	**610**	**649**	**648**	**648**	**3,889**
Network Computing Initiatives	3-95	**251**	**199**	**204**	**211**	**216**	**216**	**1,297**
E-Government	3-96	**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	3-97			**1,000**	**500**	**500**	**500**	**2,500**

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OTHER PROJECTS								
Special Innovative Capital	3-98	**584**						**584**
New Strategic Transportation Initiatives (Kenaston Underpass and Rapid Transit)	3-99	**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	3-101	**2,000**						**2,000**
Public Art Strategy	3-102	**500**	**500**	**500**	**500**	**500**	**500**	**3,000**
TOTAL OTHER PROJECTS		**8,084**	**5,500**	**5,500**	**5,500**	**5,500**	**6,400**	**36,484**
TRANSIT								
Bus Radio System Replacement with AVL Enhancement	3-103		**2,000**	**1,659**				**3,659**
Fare Collection System	3-104			**4,000**	**2,000**			**6,000**
Innovative Transit Program	3-105	**200**	**700**	**700**	**700**	**700**	**700**	**3,700**
Transit Building Replacement/Refurbishment	3-106		**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	3-107	**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**

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WATER & WASTE								
Land Drainage and Flood Control - Tax-Supported Portion								
LAND DRAINAGE AND FLOOD CONTROL - REGIONAL								
Financed by Equity in Capital Assets:								
Stormwater Retention Basin Rehabilitation	3-108	**100**	**200**	**200**	**200**	**200**	**200**	**1,100**
Flood Pumping Station Rehabilitation	3-109	**1,600**	**1,200**	**700**	**1,000**	**1,000**	**1,000**	**6,500**
Land Drainage and Combined Sewers Outfall Gate Structures	3-110	**2,000**	**2,000**	**1,450**	**1,450**	**1,450**	**1,450**	**9,800**
Floodplain Management	3-111				**700**		**700**	**1,400**
St. Germain/Vermette Land Drainage Project	3-112	**300**	**300**	**400**	**400**			**1,400**
Permanent Land Drainage Pumping Station at Kilkenny and Rice	3-113		**500**					**500**
Seine River Waterway Acquisition	3-114	**150**	**150**	**150**	**150**	**150**	**150**	**900**
Primary Dike Upgrading	3-115			**800**	**800**	**800**	**800**	**3,200**
Land Drainage Safety Upgrading Program	3-116	**200**	**200**	**200**	**200**	**200**	**200**	**1,200**
Charleswood & Wilkes South Land Drainage Project	3-117				**1,300**	**1,149**		**2,449**
Kildare Trunk Permanent Flood Pumping Station	3-118	**200**		**500**				**700**
Permanent Land Drainage Pumping Stations	3-119						**449**	**449**
Land Drainage Asset Management Strategy	3-120		**200**					**200**
Financed by Frontage Levy:								
Combined Sewer Flood Relief	3-121	**7,200**	**7,200**	**7,200**	**7,200**	**7,200**	**7,200**	**43,200**
Flood Relief Sewers - Separate	3-122	**300**	**300**	**300**	**300**	**300**	**300**	**1,800**
Financed by Developer Capacity Charges:								
Development Agreement Paybacks	3-123		**400**	**500**	**400**	**500**		**1,800**
Fernbank Ave Land Drainage Sewer	3-124		**875**					**875**
South Tuxedo Stormwater Retention Basin	3-125		**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 $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		2004 BUDGET	FORECAST					2004-2009 6 YEAR TOTAL BUDGET
			2005	2006	2007	2008	2009	
LAND DRAINAGE AND FLOOD CONTROL - RESIDENTIAL								
Combined Sewer Renewals - Frontage Levy	3-126	**11,080**	**11,080**	**11,080**	**11,080**	**11,080**	**11,080**	**66,480**
Outfall Rehabilitation - Equity in Capital Assets Fund	3-127	**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	3-128					**1,100**		**1,100**
Saskatchewan Avenue Feedermain	3-129				**1,300**			**1,300**
GWWD Railway Bridge Replacement	3-130				**550**			**550**
Lagimodiere Boulevard Feedermain Extension	3-131		**1,350**					**1,350**
McPhillips Pumping Station - Natural Gas Engine Replacement	3-132	**200**	**1,050**	**750**				**2,000**
MacLean Pumping Station - Natural Gas Engine Replacement	3-133	**200**	**1,800**					**2,000**
Water Supervisory Control and Data Acquisition (SCADA) Replacement	3-134	**225**						**225**
Computerized Work Management System	3-135	**350**						**350**
Branch II Aqueduct - Valves at Interconnection	3-136	**1,000**						**1,000**
Tache Booster Pumping Station Upgrading	3-137			**300**	**1,000**	**500**		**1,800**
Shoal Lake Aqueduct Intake Structure Condition Assessment	3-138					**200**	**800**	**1,000**
Disraeli Feedermain Condition Assessment	3-139	**100**						**100**
River Crossing Investigations	3-140	**500**						**500**
Shoal Lake Intake Chloramination Facility	3-141						**2,100**	**2,100**
Water Pumping Station Power Reliability Study	3-142		**900**					**900**
Customer Information and Billing System	3-143	**2,500**						**2,500**
General Water Infrastructure Rehabilitation	3-144			**2,500**	**1,000**	**1,000**		**4,500**
LBIS - Customer Service Conversion & Upgrade	3-145	**130**	**130**					**260**
Midtown Feedermain - Assiniboine River Crossing Replacement/Rehabilitation	3-146					**2,500**		**2,500**
Operation Accreditation / Emergency Response	3-147	**500**	**600**					**1,100**
Waverley West Feedermain - Phase 1	3-148						**2,500**	**2,500**

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004-2009 6 YEAR TOTAL BUDGET
Feedermain Condition Assessment Study - Phase 1	3-149						**500**	**500**
Water Utility Asset Management Strategy	3-150						**200**	**200**
Shoal Lake Aqueduct Asset Preservation	3-151			**500**	**500**			**1,000**
Watermain Renewals - Frontage Levy	3-152	**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	3-153	**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	3-154	**7,900**						**7,900**
Outfall Capacity & Flood Protection Upgrading - NEWPCC	3-155		**3,500**	**1,000**	**1,400**			**5,900**
High River Level (Flood) Protection - SEWPCC	3-156		**1,700**	**800**				**2,500**
Capacity Study / Preliminary Engineering - SEWPCC	3-157	**600**	**1,600**	**1,000**				**3,200**
Clarifier Expansion - SEWPCC	3-158			**8,500**			**500**	**9,000**
Lift Station Upgrading	3-159	**750**	**750**	**750**	**750**	**750**	**750**	**4,500**
Inflow / Infiltration / Cross-Connection Study and Mitigation	3-160	**1,000**	**600**					**1,600**
Sewer System Isolation in Areas Protected by Secondary Dikes	3-161		**1,000**				**1,000**	**2,000**
Computerized Work Management System	3-162	**350**						**350**
Boiler Replacements - NEWPCC	3-163		**700**					**700**
Raw Sewage Pump Replacement - NEWPCC	3-164	**1,200**	**400**					**1,600**
Northeast Interceptor Extension - Regent to Dugald	3-165			**5,500**				**5,500**
Dugald Interceptor Rehabilitation	3-166	**2,000**	**1,500**					**3,500**
Assessment of Wastewater River Crossings, Forcemains & Pumping Stations	3-167	**600**						**600**

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

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		2004 BUDGET	FORECAST					2004-2009 6 YEAR TOTAL BUDGET
			2005	2006	2007	2008	2009	
SEWAGE DISPOSAL SYSTEM - Utility Funding (continued) *								
Re-roofing of Grit Building - NEWPCC	3-168				**300**			**300**
Customer Information and Billing System	3-169	**2,500**						**2,500**
Surgewell Condition Assessment & Main Pump Hydraulic Rehabilitation - NEWPCC	3-170	**1,300**	**2,700**					**4,000**
Risk and Criticality Assessment of Water Pollution Control Centres	3-171	**250**						**250**
Miscellaneous Water Pollution Control Centre Reliability Upgrades	3-172	**900**						**900**
Miscellaneous Interceptor Sewer Rehabilitation	3-173	**550**						**550**
Wastewater Utility Asset Management Strategy	3-174	**200**						**200**
LBIS - Customer Service Conversion & Upgrades	3-175	**130**	**130**					**260**
Waverly West Interceptor Sewer - Phase 1	3-176						**3,000**	**3,000**
Digester Gas Conditioning - NEWPCC	3-177		**1,500**					**1,500**
Distributed Control System Upgrades - NEWPCC	3-178	**1,500**						**1,500**
Upgrading External Power Supply - NEWPCC	3-179						**1,000**	**1,000**
Replacement of Primary Electrical Feed - SEWPCC	3-180						**150**	**150**
Upgrading of Secondary Clarifiers - NEWPCC	3-181				**7,000**			**7,000**
Financed by Environmental Reserve:								
Wastewater Disinfection - WEWPCC	3-182	**3,398**						**3,398**
Effluent Ammonia and Nutrient Related River Water Quality Studies	3-183	**500**						**500**
Wastewater Sampler Upgrades	3-184	**400**						**400**
Environmental Impact Statement and Public Hearings	3-185	**1,000**			**500**			**1,500**
Public Notification	3-186	**250**						**250**
Environmental Management System, Standard Operating Procedures, Emergency Response Plans	3-187	**500**						**500**
Public/Aboriginal Consultation and Education Program	3-188	**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	3-189	**4,488**	**14,878**	**1,698**	**1,732**	**5,079**	**5,180**	**33,055**

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	PRELIMINARY CAPITAL						
		2004 BUDGET	FORECAST 2005	2006	2007	2008	2009	2004-2009 6 YEAR TOTAL BUDGET
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	3-190	**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	3-191	**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	3-192	**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	3-193			**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	3-194	**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	3-195	**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**

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