

| 2024 Capital Works Construction Program: Water and Waste | | | | | | | | |
|--|-------------------------------------|---|---|---------------------------|--|---------------------------|--------------------------|---------------------|
| Department | Fund Source | CAPITAL BUDGET PROJECT | PROJECT DESCRIPTION | ESTIMATED CONTRACT AMOUNT | MAJOR TENDER QUANTITIES | TENDER CLOSING DATE (M-Y) | TENDER COMPLETION PERIOD | CONSULTANT |
| Water and Waste | Waterworks System - Distribution | Land Drainage and Combined Sewers Outfall Gate Structures | Renfrew Gate Chamber Upgrades | \$2,650,000 | New gate chamber cell, automation, control gates and pump | Mar-24 | 18 months | MPE |
| Water and Waste | Waterworks System - Distribution | CentrePort South Water and Waste Servicing | Contrat 4A - 750 mm Feeder Main | \$10,008,800 | Installation of approximately 5km of feeder main pipe to CentrePort South lands. | Apr-24 | 12 months | KGS Group |
| Water and Waste | Sewage Disposal System - Collection | CentrePort South Water and Waste Servicing | Contract 3 - Interceptor and Intake Sewers | \$16,409,530 | Intallation of approximately 1.2 km of 750mm to 1200mm interceptor and intake sewer main | Apr-24 | 8 months | KGS Group |
| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Sewer Renewals by CIPP Lining (Large Diameter) – Contract 5 | \$2,601,544 | Rehabilitation by CIPP Lining of 584m of sewers ranging in size from 1350mm to 2000mm x 1500mm | Apr-24 | 8 months | TBD |
| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Sewer Renewals - External Point Repairs and Full Segment Renewals - Contract 7 | \$1,232,954 | Renewal and repair of sewers and manholes at 42 locations ranging in size from 200mm to 2700mm in diameter | Apr-24 | 8 months | In House - WWD |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 1 | \$1,528,203 | Renewal of 877m of existing water mains ranging in size from 150mm to 200mm diameter | Apr-24 | 7 months | In House - WWD |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 2 | \$1,778,210 | Renewal of 1053m of existing water mains 150mm diameter in size | Apr-24 | 7 months | In House - WWD |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 3 | \$1,466,037 | Renewal of 828m of existing water mains ranging in size from 150mm to 250mm diameter | Apr-24 | 7 months | In House - WWD |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 5 | \$1,852,990 | Renewal of 1063m of existing water mains ranging in size from 150mm to 200mm diameter | Apr-24 | 7 months | In House - WWD |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 6 | \$2,410,867 | Renewal of 919m of existing water mains 300mm diameter in size | Apr-24 | 7 months | Morrison Hershfield |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 7 | \$1,635,007 | Renewal of 871m of existing water mains 200mm diameter in size | Apr-24 | 7 months | Stantec |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 9 | \$2,102,947 | Renewal of 953m of existing water mains ranging in size from 150mm to 300mm diameter | Apr-24 | 7 months | Stantec |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 10 | \$1,179,680 | Renewal of 666 m of existing water mains ranging in size from 150mm to 200mm diameter | Apr-24 | 7 months | In House - WWD |

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| Water and Waste | Waterworks System - Distribution | Flood Pumping Station Rehabilitation Program | Jessie Flood Pumping Station Upgrades | \$1,300,000 | HVAC , electrical and automation components | May-24 | 12 months | MPE |
| Water and Waste | Waterworks System - Distribution | Combined Sewer Overflow and Basement Flood Management Strategy | Jefferson East Combined Sewer Relief Contract 8 | \$6,000,000 | Construction of land drainage sewer pipes | May-24 | 12 months | AECOM |
| Water and Waste | Waterworks System - Distribution | Feeder Main Condition Assessment and Rehabilitation | Charleswood-Assiniboia River Crossing Rehabilitation | \$2,500,000 | Mobilization, site and valve chamber access, valve replacement, river crossing rehabilitation, testing, site restoration. | May-24 | 12 months | Morrison Hershfield |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 4 | \$1,728,198 | Renewal of 705m of existing water mains ranging in size from 200mm to 300mm diameter | May-24 | 7 months | Stantec |
| Water and Waste | Waterworks System - Distribution | Water Main Renewals | 2024 Water Main Renewals Contract 8 | \$1,796,604 | Renewal of 774m of existing water mains 250mm diameter in size | May-24 | 7 months | Stantec |
| Water and Waste | Sewage Disposal System - Treatment | Asset Reurbishment and Replacement Program | NEWPCC Digester tank 9-14 Spiral heat exchanger replacement Project #S-1287 Contruction Tender: 36-2024 | \$542,000 (MRST EXTRA) | Install 6 Spiral Heat Exchangers Supply and install 6 Control valves and 24 isolation valves | May-24 | 9 months | Atkins Realis |
| Water and Waste | Sewage Disposal System - Treatment | Asset Reurbishment and Replacement Program | SEWPCC B679 Chiller Replacement Project #S-1291 Construction Tender: 929-2023 | | Chiller unit, Fas detection, ventillation, PRV's | May-24 | 9 months | Jacobs |
| Water and Waste | Sewage Disposal System - Treatment | NEWPCC Upgrade: Biosolids Facility | NEWPCC Biosolids Early Works - Watermain, Track Under Crossings and Parcel C Sewer and Water Service Piping | \$2,500,000 | 2 jacked 2400mm diameter concrete pipe rail under crossings 40m length each, 1 500mm steel pipe casing trenchless installation under rail 40m length, 1 250mm watermain trenchless rail undercrossing in 500mm steel casing 40m, 380 m of 250mm watermain trenchless installation, 400 m 50mm HDPE Water service, 425m of 75mm HDPE sewage force main. | Jun-24 | 3 months | AECOM |
| Water and Waste | Sewage Disposal System - Treatment | NEWPCC Upgrade: Biosolids Facility | NEWPCC Biosolids Early Works - Parcel C Site Preparation | \$1,600,000 | Approximately 4000m3 of common excavation, 8000 tonnes of base works, 325m of chain-link fencing complete with operable gate(s), site servicing. | Jun-24 | 3 months | AECOM |
| Water and Waste | Sewage Disposal System - Treatment | NEWPCC Upgrade: Biosolids Facility | NEWPCC Biosolids Early Works - Contaminated Soil Removal | \$1,000,000 | Removal of 6000 m3 of contaminated soil, with replacement through excavation of adjacent in-situ clay material on same large parcel of land. | Jun-24 | 3 months | AECOM |
| Water and Waste | Sewage Disposal System - Treatment | NEWPCC Upgrade: Biosolids Facility | NEWPCC Biosolids Early Works - Temporary Trailer Complex | \$2,500,000 | Procurement, and delivery/setup of temporary a large trailer complex (approximately 14 new individual units complete with two (2) new double wide meeting room trailers), including service connections. | Jun-24 | TBD | AECOM |
| Water and Waste | Sewage Disposal System - Collection | CentrePort South Water and Waste Servicing | Contract 1A - Bypass Lift Station | \$4,997,000 | Construction of a smaller by-pass lift station | Jul-24 | 15 months | KGS Group |

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| Water and Waste | Sewage Disposal System - Collection | CentrePort South Water and Waste Servicing | Contract 2A - 450mm Force Main | \$14,872,812 | Installation of approximately 7.4km of force main pipe. | Jul-24 | 11 months | KGS Group |
| Water and Waste | Waterworks System - Distribution | Combined Sewer Overflow and Basement Flood Management Strategy | Cockburn Contract 13 | \$6,000,000 | Construction of land drainage sewer pipes | Jul-24 | 12 months | KGS Group |
| Water and Waste | Sewage Disposal System - Treatment | Asset Reurbishment and Replacement Program | Perimeter Road Pump 1 & 2 Equipment Replacement & Electrical Upgrades Project #S-1251 Construction Tender: TBD | \$850,000 (MRST EXTRA) | Install 1 - 400 HP motor and pump, 1 - 200 HP motor and pump, 2 - VFD's Supply and install 1 - 750 MVA transformer, transfer switch, protection devices, instrumentation | Aug-24 | 10 months | MPE |
| Water and Waste | Waterworks System - Supply and Treatment | Branch 1 Aqueduct Underdrain Outfalls and Shoal Lake Aqueduct Condition Assessment and Rehabilitation | Rehabilitation, renewal and replacement of various components pertaining to the Branch 1 Aqueduct underdrain and the Shoal Lake Aqueduct | \$3,680,000 | Replacement of 2 outfalls, various manholes, and walkway access bridge; CIPP lining and pipe repairs | Sep-24 | 8 months | Morrison Hershfield |
| Water and Waste | Sewage Disposal System - Collection | Sewer Renewals Program | Miscellaneous Sewer Cleaning and Inspections on an "as required" basis | \$440,125 | 13,750m of sewer cleaning of various diameter pipes | Oct-24 | TBD | In House - WWD |
| Water and Waste | Waterworks System - Distribution | Outfall Rehabilitation | Roland Outfall | \$2,450,000 | Rehabilitation of land drainage outfall and Riverbank Stabilization | Nov-24 | 18 months | TBD |
| Water and Waste | Waterworks System - Distribution | Lift Station Upgrading | Windsor Park Lift Station Upgrades | \$4,500,000 | Automation, civil, electrical, mechanical, process and structural upgrades of Windsor Park Lift Station and Generator Building. Demolition of existing Generator Building with a new larger structure. | Dec-24 | 16 months | MPE |
| Water and Waste | Waterworks System - Distribution | Combined Sewer Overflow and Basement Flood Management Strategy | Ferry Road Contract 6a | \$50,000,000 | Construction of trunk sewer | Dec-24 | 24 months | KGS Group |
| Water and Waste | Sewage Disposal System - Treatment | Asset Reurbishment and Replacement Program | NEWPCC Boiler No. 5 Replacements ...supply and installation of replacement boilers for existing Boiler No. 5 ...Tender No. TBD ...WWD Project No. S-1284 | \$3,000,000 | supply and installation of two (2) 200HP firetube boilers | Dec-24 | 18 months | KGS Group |
| Water and Waste | Sewage Disposal System - Treatment | Asset Reurbishment and Replacement Program | NEWPCC Boiler No. 5 Replacements ...supply and installation of replacement boilers for existing Boiler No. 5 ...Tender No. TBD ...WWD Project No. S-1284 | \$300,000 | supply and installation of sixteen (16) sludge level detectors and related electrical and controls | Dec-24 | 6 months | Atkins Realis |
| Water and Waste | Sewage Disposal System - Collection | Arc Flash Hazard Analysis and Remediation Program | Transformer Remediation Work for Flood Stations Project #S-1301 Construction Tender: TBD | \$1,700,000 (MRST EXTRA) | 10 - 5Kv fused disconnect switchgear, Transformer remaindeation, Testing, Arc Flash | Dec-24 | TBD | TBD |
| Water and Waste | Waterworks System - Distribution | Lift Station Upgrading | Conway Lift Station Upgrades | \$4,500,000 | Automation, civil, electrical, mechanical, process and structural upgrades of Conway Lift Station. Demolition of existing superstructure with a new larger structure along with Wet Well manhole replacement. | Apr-25 | 16 months | MPE |
| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Sewer Renewals - External Point Repairs and Full Segment Renewals - Contract 1 | \$1,321,008 | Renewal and repair of sewers and manholes at 39 locations ranging in size from 200mm to 2750mm in diameter | TBD | TBD | TBD |

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| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Sewer Renewals by CIPP Lining - Contract 2 | \$1,961,341 | Rehabilitation by CIPP Lining of 5258m of sewers ranging in size from 200mm to 450mm | TBD | TBD | TBD |
| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Sewer Renewals by CIPP Lining - Contract 3 | \$1,045,292 | Rehabilitation by CIPP Lining of 912m of sewers ranging in size from 600mm to 900mm | TBD | TBD | TBD |
| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Trenchless Rehabilitation of Non-Circular Combined Sewers – Contract 4 | \$2,117,175 | Rehabilitation of non-circular sewers by trenchless methods of 572m of sewers ranging in size from 1800mm x 1375mm to 2515mm x 1930mm | TBD | TBD | TBD |
| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Sewer Renewals by CIPP Lining – Contract 6 | \$1,749,144 | Rehabilitation by CIPP Lining of 4952m of sewers ranging in size from 200mm to 450mm | TBD | TBD | TBD |
| Water and Waste | Waterworks System - Distribution | Sewer Renewals | 2024 Sewer Renewals by CIPP Lining – Contract 8 | \$1,651,343 | Rehabilitation by CIPP Lining of 4094m of sewers ranging in size from 200mm to 450mm | TBD | TBD | TBD |
| Water and Waste | Sewage Disposal System - Treatment | NEWPCC Upgrade: Power Supply and Headworks Facilities | NEWPCC UV and Flushing Water Construction | \$22,000,000 | New building construction, ultraviolet equipment installation, sluice gate installation | TBD | TBD | AECOM |
| Water and Waste | Waterworks System - Supply and Treatment | Chlorine Emergency Ventilation System Upgrades at the Regional Pumping Stations | Installation of chlorine gas scrubbers, emergency and occupied space ventilation system upgrades with associated mechanical, electrical, automation, and structural works. | \$3.6M | Dry-type chlorine gas scrubbers complete with scrubber concrete foundation pads, exhaust fans, and air handling units; emergency eye wash stations; new overhead roller-type doors (x4); reconfiguration of chlorine room entrances/exits at three regional pumping stations | TBD | 12 months | SNC Lavalin |