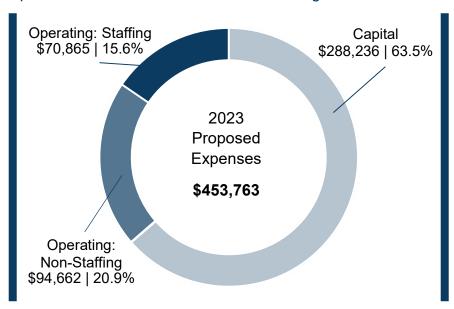


Plans, designs, constructs, operates, and maintains Regional infrastructure related to the supply of drinking water and the protection of the water environment through the collection and treatment of sanitary sewage.



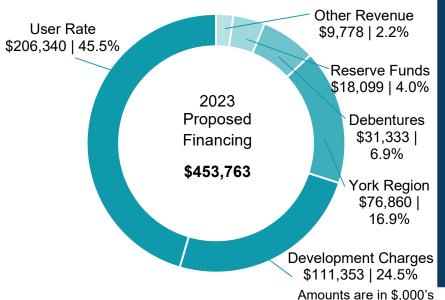












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Major Programs and Services

Water Supply System

Watermain Cleaning and Repairs

Maintain and operate the Region's water distribution system by flushing watermains, cleaning through foam swabbing, repairing breaks, administering leak detection surveys, and preventing corrosion of infrastructure through cathodic protection.

Valves and Hydrants

Maintain the Region's water valves and hydrants ensuring all are in good working condition.

Water Connections

Maintain the Region's water connection inventory to provide potable water for domestic use and fire protection.

Water Meter Repairs and Testing

Maintain the Region's water meter inventory to accurately measure the consumption of water by replacing meters based on age. Other work includes the calibration, testing, repair, and replacement of large meters as required.

Depot Operations

Support the delivery of water infrastructure maintenance activities including watermain repairs, valve and hydrant operations and water meter repair, calibration, and replacement.

Water Supply Plants – Plants East

Serve Bowmanville, Newcastle, Orono and Blackstock (comprised of two surface water plants, six storage facilities, three municipal groundwater wells and three water pumping stations) by providing potable water which meets all quality requirements prescribed by the Ministry of the Environment, Conservation and Parks' (MECP) legislation and regulations, accomplished through continuous monitoring of water quality and flows.

Water Supply Plants - Plants Central

Serve Pickering, Ajax, Whitby, Oshawa and Courtice (Clarington) (comprised of three surface water plants, 13 water pumping stations and 11 storage facilities) by providing safe, potable water which meets all quality requirements prescribed by the MECP's legislation and regulations, accomplished through continuous monitoring of water quality and flows.

Water Supply Plants - Plants North

Serve the Townships of Brock, Scugog and Uxbridge (comprised of one surface water plant, 20 municipal groundwater wells, seven storage facilities and one water pumping station) by providing safe, potable water which meets all quality requirements prescribed by the MECP's legislation and regulations, accomplished through continuous monitoring of water quality and flows.

Major Programs and Services Continued

Sun Valley Co-Operative Water System

A private water system operated by the Region on behalf of the Sun Valley Co-operative comprised of 17 properties in the City of Oshawa to supply safe, potable water which meets all quality requirements prescribed by MECP's legislation and regulations accomplished through continuous monitoring of water quality and flows.

SCADA Systems

The centralized SCADA (Supervisory Control and Data Acquisition) Systems Group based at the Oshawa Water Supply Plant monitors, gathers and processes real time data to control plant processes, directly interacting with sensors, valves, pumps, and motors while logging events for regulatory reporting requirements.

Engineering and Staff Support

Support the delivery of capital projects and initiatives through planning, design and construction activities, including advancing the servicing of key Regional employment lands, providing real estate services for infrastructure projects including well head protection land acquisitions, maintaining linear infrastructure data within GIS systems, coordinating development applications with impacts to Regional services, providing technical support including water conservation programming, energy management guidance, oversight to the Region's Source Water Protection programs and supplying financial and administrative support services to all divisions within the Works Department.

Facilities Management

Provide overall lifecycle management of all Regional facilities. Services include the design and construction of Regional facilities, delivery of major repair and renovation projects, lifecycle maintenance and replacement strategies, delivering corporate security services, and the ongoing and preventative maintenance and overall operation of Regional facilities, properties, and grounds.

Administration

Provide the overall strategic planning and direction to all programs within the Works Department.

Headquarters Shared Costs - Works - Water Supply System Portion

The allocated share of costs attributable to the Works Department – Water Supply System for the operation of Regional Headquarters facility.

Construction of Municipal Services

Plan, design, and construction of the water supply system major capital program.

Major Programs and Services Continued

Sanitary Sewerage System

Cleaning, Repairs and Maintenance Holes

Maintain and operate the Region's sanitary sewerage collection system efficiently and effectively, undertaking spot repairs of damaged sanitary sewers, and scheduled cleaning of sanitary sewers and syphons.

Sewer Connections

Maintain the Region's sanitary sewer connection inventory efficiently and effectively, safeguarding the public and environment from any public health hazards and ensuring continuity of service.

Depot Operations

Support the delivery of sanitary sewerage infrastructure maintenance activities which include the maintenance, cleaning and repairs of sanitary sewers, maintenance holes and sewer connections.

Water Pollution Control Plants and Pumping Stations

The water pollution control plants and sanitary sewerage pumping stations treat and convey sanitary sewerage, ensuring it meets the discharge requirements prescribed by the MECP. The system is comprised of 11 treatment plants and 51 pumping stations spread across the Region.

Duffin Creek Water Pollution Control Plant

Operation of the plant, co-owned by the Regions of Durham and York, to treat sanitary sewage, ensuring it meets the discharge requirements prescribed by the MECP. The Duffin Creek Water Pollution Control Plant is one the largest water pollution control plants in Ontario.

Regional Environmental Laboratory

Operation of a certified laboratory, co-owned by the Regions of Durham and York, which provides testing services for water and wastewater monitoring for the Regions of Durham and York, local municipalities, and private clients. Services are provided in accordance with the MECP License and laboratory accreditation for drinking water and wastewater requirements.

Engineering and Staff Support

Support the delivery of capital projects and initiatives through planning, design and construction activities, including advancing the servicing of key Regional employment lands, providing real estate services for infrastructure projects including well head protection land acquisitions, maintaining linear infrastructure data within GIS systems, coordinating development applications with impacts to Regional services, providing technical support including water conservation programming, energy management guidance, oversight to the Region's Source Water Protection programs and supplying financial and administrative support services to all divisions within the Works Department.

Major Programs and Services Continued

Facilities Management

Provide overall lifecycle management of all Regional facilities. Services include the design and construction of Regional facilities, delivery of major repair and renovation projects, lifecycle maintenance and replacement strategies, delivering corporate security services, and the ongoing and preventative maintenance and overall operation of Regional facilities, properties, and grounds.

Administration

The overall strategic planning and direction to all programs within the Works Department.

Headquarters Shared Costs - Works - Sanitary Sewerage System Portion

The allocated share of costs attributable to Works Department – Sanitary Sewerage System for the operation of Regional Headquarters for the operation of Regional Headquarters facility.

Construction of Municipal Services

Plan, design, and construction of the sanitary sewerage system major capital program.

Strategic Priorities

For 2023 some of the key priorities and planned actions focus on:



Environmental Sustainability



Accelerate the adoption of green technologies and clean energy solutions through strategic partnerships and investment with internal and external partners and academic institutions. In 2023, work towards the implementation of an Energy Data Management Platform will continue, providing consolidated energy data for analysis and project planning.



Protect, preserve, and restore the natural environment including greenspaces, waterways, parks, trails, and farmlands by planning and implementing critical sanitary sewerage infrastructure identified through asset management planning.



Demonstrate leadership in sustainability and climate change action by mitigating the environmental impacts of projects and incorporating strategies in the construction and rehabilitation of Regional infrastructure and facilities by incorporating climate-friendly strategies.



Continued progress on a comprehensive water and wastewater GHG emissions management strategy including an assessment of the overall heat recovery potential from the Region's wastewater system. This study will inform on areas of the system which may yield the greatest degree of energy exchange potential, both for private sector participants wishing to utilize wastewater energy to displace traditional fossil fuel energy requirements for their respective developments, as well as for potential Regional opportunities.



Community Vitality



Review and expand system capacity to facilitate balanced growth to provide an adequate mix of attainable housing for residents at all ages and stages of life. Through revitalized infrastructure, the Region will ensure traditional neighbourhoods remain great places to live and work, and build complete communities that are walkable, well-connected, and adequately served by nearby amenities.



Revitalize existing neighbourhoods and build complete communities that are walkable, well-connected, and have a mix of attainable housing through monitoring and assessing excess capacity available in existing sanitary sewer and water distribution systems.

Strategic Priorities Continued



Economic Prosperity



Streamlining review and payment processes; planning for growth; and positioning Durham Region as the location of choice for business by servicing strategic employment lands. Detailed design work overseen by the Region is ongoing for 3 projects identified in Report #2020-COW-23 - Regional Pre-servicing of Designated Employment Areas. Class EA work commenced for 2 projects in 2022, and 3 projects are being led by developers and are at various stages of design.



Provide a supportive environment for agriculture and agri-food industries by maintaining beneficial re-use of treated municipal wastewater solids (biosolids) on agricultural lands; and working collaboratively with industry to promote growth while maintaining a sewer-use program. In 2022, the Region and Durham College partnered to create a temporary urban farm on a future water supply infrastructure site. Construction of the farm will be completed in 2023 and cultivation will begin on site.



Service Excellence



Optimize resources and partnerships to deliver exceptional quality services and value by continuing a "customer first" focus. To expedite ON1Call locate requests, additional resources are being proposed in the 2023 budget to address the demands for service resulting from increasing development activity across the Region.



Collaborate for a seamless service experience by seeking new partnerships with local municipalities. As part of the water meter renewal program, radio frequency remote meter reading technology is being installed to minimize manual meter readings.



Demonstrate commitment to continuous quality improvement and transparency through public engagement on all major public works initiatives in real time. Consultation for the Environmental Assessment to expand the sanitary sewerage capacity in Cannington will wrap up in 2023, with the commencement of detailed design to follow.

Strategic Priorities Continued



Drive innovation through the continued evolution of the Region's Enterprise Maintenance Management System to increase efficiency in maintenance operations while collecting accurate and timely life cycle costs for analysis and planning; ongoing modernization of the review and approval of development engineering submissions through the PlanIT platform to expedite application reviews while ensuring requirements are met; and ongoing data management modernization and automation within the water supply and water pollution control plants to streamline reporting and increase operational efficiency.



Implement the recommendations of the Depot Modernization and Rationalization Study. The study's purpose was to assess the current depot network and recommend the most effective and efficient means of operation and site utilization strategies in response to the immediate, medium, and long-term needs of the Works Depots to meet growth across the Region. The implementation work will commence with the expansion of the Ajax Depot at its current location, and the relocation of the Oshawa/Whitby Depot, and will include energy efficient, low carbon measures while modernizing the function and layout of this critical infrastructure.

Key Targets for 2023

Water Supply System

- Maintain and operate 2,669 kilometres of watermains 1.3% system growth over 2022
- Maintain and operate 29,232 valves 1.5% growth over 2022
- Inspect and maintain 17,288 fire hydrants 1.5% increase over 2022 inventory
- Maintain 186,359 water supply connections 1.1% system growth over 2022
- Treat 68,866 megalitres of water 0.7% increase over projections for 2022

Sanitary Sewerage System

- 2,323 kilometres of gravity, forcemains, and siphons of sanitary sewer maintained and operated 1.2% system growth over 2022
- 182,623 sanitary sewer connections maintained 1.1% system growth over 2022
- Treat a total of 174,543 megalitres of sanitary sewerage, a 1.2% increase from 2022, with 124,754 megalitres flowing through Duffin Creek Water Pollution Control Plant
- Analyze 60,000 samples for 200,000 tests at the Regional Environmental Laboratory consistent with 2022 volumes

Financial Details: Summary by Account (\$,000's)

Provides the gross expenditures and revenues - including both operating and capital - and the resulting net user rate requirement

Durham Budget 202	2022 Estimated Actuals	2022 Restated Budget	2023 Proposed Budget	Variance		
Budget S	2022 Estillateu Actuals			\$	%	
(penses						
perating Expenses						
Personnel Expenses	61,840	67,870	70,865			
Personnel Related	1,877	2,193	2,269			
Communications	1,086	1,093	1,130			
Supplies	7,622	8,041	7,699			
Utilities	20,158	20,155	23,503			
Chemicals	10,285	8,747	14,549			
Computer Maintenance & Operations	967	901	877			
Materials & Services	11,154	8,538	8,802			
Buildings & Grounds Operations	5,162	4,822	4,923			
Equipment Maintenance & Repairs	3,574	3,762	3,814			
Vehicle Operations	3,895	4,177	4,027			
Professional Services	1,841	2,240	2,197			
Contracted Services	4,252	4,274	4,773			
Leased Facilities Expenses	60	43	43			
Financial Expenses	2,901	2,887	3,133			
Property Taxes	5,263	5,341	5,415			
Minor Assets & Equipment	353	441	192			
Major Repairs & Renovations	656	788	920			
Contribution to Reserves / Reserve Funds	264	264	275			
Headquarters Shared Costs	2,306	2,306	2,406			
perating Expenses Subtotal	145,516	148,883	161,812	12,929	8	

Financial Details: Summary by Account (\$,000's)

Provides the gross expenditures and revenues - including both operating and capital - and the resulting net user rate requirement

Durham	2022 Estimated Actuals	2022 Bootstad Budget	2022 Dranged Budget	Variance		
Durham Budget	2022 Estimateu Actuais	2022 Restated Budget	2023 Proposed Budget	\$	%	
Internal Transfers & Recoveries						
NextGen Fees	46	46	45			
Communications Charge	362	362	365			
Corporate IT Charge	321	321	358			
Corporate HR Charge	160	160	160			
Works - General Administration Charge	3,138	3,138	3,261			
Recovery - Ajax WSP - Labour	(4)	(4)	(43)			
Recovery - Works - General Tax	(338)	(338)	(338)			
Recovery - Regional Environmental Lab	(93)	(93)	(93)			
Internal Transfers & Recoveries Subtotal	3,592	3,592	3,715	123	3.4%	
Gross Operating Expenses	149,108	152,475	165,527	13,052	8.6%	
Capital Expenses						
New	3,111	3,111	33,950			
Replacement	9,184	9,184	7,098			
Major Capital	258,764	258,764	247,188			
Capital Expenses Subtotal	271,059	271,059	288,236	17,177	6.3%	
Total Expenses	420,167	423,534	453,763	30,229	7.1%	
Revenues and Financing						
Operating Revenue						
Fees & Service Charges	(6,810)	(6,053)	(6,875)			
Sale of Publications	(10)	(19)	(16)			
Rents	(29)	(48)	(49)			
Sundry Revenue	(1,203)	(1,274)	(1,176)			
Revenue from Municipalities	(31,734)	(31,445)	(37,825)			
Revenue from Related Entities	(6)	(6)	(6)			
Operating Revenue Subtotal	(39,792)	(38,845)	(45,947)	(7,102)	(18.3%)	

Financial Details: Summary by Account (\$,000's)

Provides the gross expenditures and revenues - including both operating and capital - and the resulting net user rate requirement

Durham Budget	2022 Estimated Actuals	2022 Restated Budget	2023 Proposed Budget	Variance		
Budget 2		_0	_o_o i ioposou _uugot	\$	%	
Capital Financing						
Sewer Residential DC	(25,703)	(25,703)	(36,203)			
Sewer Commercial DC	(2,341)	(2,341)	(2,609)			
Sewer Industrial DC	(192)	(192)	(1,874)			
Water Residential DC	(63,793)	(63,793)	(68,205)			
Water Commercial DC	(2,420)	(2,420)	(2,462)			
Water Industrial DC	(1,607)	(1,607)	-			
Servicing Employment Lands Water RF	(684)	(684)	-			
Servicing Employment Lands Sewer RF	(509)	(509)	-			
Sewer Asset Management RF	(9,275)	(9,275)	(11,107)			
Water Asset Management RF	(5,623)	(5,623)	(5,764)			
Recovery from York	(63,388)	(63,388)	(40,691)			
Federal Grant	(93)	(93)	-			
Recovery from Reserve Funds - Capital	(797)	(797)	(475)			
Sewer Rate Stabilization Reserve Fund	(9,826)	(9,825)	(442)			
Water Rate Stabilization Reserve Fund	(2,549)	(2,549)	(311)			
Debentures	-	· -	(31,333)			
Capital Financing Subtotal	(188,800)	(188,799)	(201,476)	(12,677)	(6.7%)	
Total Revenues and Financing	(228,592)	(227,644)	(247,423)	(19,779)	(8.7%)	
User Rate Requirement Works Department - Water Supply System and Sanitary Sewerage System Total	191,575	195,890	206,340	10,450	5.3%	

Financial Details: Summary by Program (\$,000's)

Provides the total operating expense, capital expense, subsidy, other revenue and the resulting user rate requirement for each major program and service

Part	١	■ Durham ≈	2022		2022	Approved B	udgets			2023 F	Proposed B	udgets		Varia	nce
Watermain Cleaning and Repairs 3.812 3.545 - - 3.545 3.481 - - 3.481 (64) 2 Valves and Hydrants 2.261 3.255 - - (85) 2.402 3.128 - - (83) 2.290 (112) 3 Water Connections 4.228 4.725 - (497) 4.228 4.405 - (510) 3.895 (333) 4 Water Connections 4.228 4.725 - (497) 4.228 4.405 - (510) 3.895 (333) 4 Water Meter Repairs and Testing 517 594 - (133) 461 590 - (148) 8.303 1.888 5 Water Supply Plants Elast 3.338 3.332 2.35 - (89) 3.478 3.498 110 - (140) 3.468 (10) 4 Water Myster Myster Myster Supply Plants Plants Central 4.063 3.480 3.303 3.332 2.35 - (89) 3.478 3.498 110 - (140) 3.468 (10) 4 Water Supply Plants Plants Central 4.063 3.480 3.602 3.011 3.01 3.011 3.01 3.011 3.016 - (30) 3.286 275 3.014 3.000 3.011 3.01 3.014		Budget 8	Estimated	Operating	Gross	Subsidy	Other	Approved	Operating	Gross	Subsidy	Other	Proposed	\$	%
Matermain Cleaning and Repairs 3,812 3,545 3,545 3,481 3,481 3,481 3,481 	l	Buuyet N	Actuals	Expenses	Capital	Funding	Funding	Budget	Expenses	Capital	Funding	Funding	Budget	Ψ	70
Matermain Cleaning and Repairs 3,812 3,545 3,545 3,481 3,481 3,481 3,481 	Wor	ks Department - Water Supply System													
Mater Connections	1		3,812	3,545	-	-	-	3,545	3,481	-	-	-	3,481	(64)	
4 Water Meter Repairs and Testing 517 594 - (133) 461 590 - (136) 454 (77) 5 Depot Operations 6,608 6,608 331 - (136) 6,415 7,181 1,270 - (148) 8,303 1,888 6 Water Supply Plants - Plants Central 14,063 14,602 435 - (103) 14,934 15,492 580 - (263) 15,819 885 8 Water Supply Plants - Plants Central 14,063 14,602 435 - (103) 14,934 15,492 580 - (263) 15,819 885 8 Water Supply Plants - Plants North 2,820 3,011 30 - (30) - - (30) - - (30) - - (30) -	2	Valves and Hydrants	2,261	3,255	-	-	(853)	2,402	3,128	-	-	(838)	2,290	(112)	
Social Depot Operations 6,608 6,220 331 	3	Water Connections	4,228	4,725	-	-	(497)	4,228	4,405	-	-	(510)	3,895	(333)	
6 Water Supply Plants - Plants East 3,338 3,332 235 89 3,478 3,498 110 - (140) 3,468 (10) 7 Water Supply Plants - Plants Central 14,603 14,602 435 - (103) 14,934 15,992 580 - (253) 15,819 88 8 Water Supply Plants - Plants North 2,820 3,011 30 - (30) 3,311 3,316 - (30) 3,26 275 9 Sun Valley Co-Operative Water System - (30) </td <td>4</td> <td>Water Meter Repairs and Testing</td> <td>517</td> <td>594</td> <td>-</td> <td>-</td> <td>(133)</td> <td>461</td> <td>590</td> <td>_</td> <td>-</td> <td>(136)</td> <td>454</td> <td>(7)</td> <td></td>	4	Water Meter Repairs and Testing	517	594	-	-	(133)	461	590	_	-	(136)	454	(7)	
Water Supply Plants - Plants Central 14,063 14,602 435 . (103) 14,934 15,492 580 . (253) 15,819 885	5	Depot Operations	6,608	6,220	331	-	(136)	6,415	7,181	1,270	-	(148)	8,303	1,888	
8 Water Supply Plants - Plants North 2,820 3,011 30 - (30) 3,011 33,16 - (30) 3,216 275 9 Sun Valley Co-Operative Water System - 30 - 30 - (30) - 30 - (30)	6	Water Supply Plants - Plants East	3,338	3,332	235	-	(89)	3,478	3,498	110	-	(140)	3,468	(10)	
9 Sun Valley Co-Operative Water Systems -	7	Water Supply Plants - Plants Central	14,063	14,602	435	-	(103)	14,934	15,492	580	-	(253)	15,819	885	
SCADA Systems	8	Water Supply Plants - Plants North	2,820	3,011	30	-	(30)	3,011	3,316	-	-	(30)	3,286	275	
Engineering and Staff Support 6,772 8,293 433 - (666) 8,060 8,804 210 - (732) 8,282 222 12 Facilities Management 8,747 8,184 1,971 (67) (977) 9,111 8,535 17,736 - (15,989) 10,282 1,171 13 Administration 319 342 - - - - 342 370 - - - - 370 28 14 14 14 14 14 14 14 1	9	Sun Valley Co-Operative Water System	_	30	-	-	(30)	-	30	-	-	(30)	-	-	
Facilities Management Rotation Rotatio	10	SCADA Systems	-	-	-	-	-	-	-	-	-	-	-	-	
13 Administration 319 342 - - - 342 370 - - - 370 28 Headquarters Shared Cost - Works 1,153 1,153 1,153 - - - 1,153 1,203 - - - 1,203 50 15 Construction of Municipal Services 44,361 - 120,104 - (75,743 44,361 - 120,878 - (76,430 44,448 87 - 16 Vorks Department - Water Supply System 98,999 57,286 123,539 (67) (79,257) 101,501 60,033 140,784 - (95,236) 105,581 4,080 4.0% 17 Vorks Department - Sanitary Sewerage System 2,421 2,188 - - 2,188 2,208 - - 2,208 20 18 Sewer Connections 2,450 3,567 - - (1,011) 2,556 3,389 - (1,014) 2,375 (181) 19 Sewer Connections 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 2 Sewer Connections 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 3 Depot Operations 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 4 WPCPs and Pumping Stations 2,6625 25,240 2,196 - (214) 27,222 26,393 308 - (284) 26,417 (805) 5 Duffin Creek WPCP (a) Management Committee 1,007 2,836 - - (1,771) 1,065 2,918 - - (1,820) 1,098 33 (b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 939 (c) Duffin Creek Administration 547 3,019 - - (2,472) 547 3,147 - - (2,572) 575 28 (e) Duffin Creek Administration 762 2,000 550 - (2,067) 483 1,910 1,437 - (2,681) 666 183	11	Engineering and Staff Support	6,772	8,293	433	-	(666)	8,060	8,804	210	-	(732)	8,282	222	
Headquarters Shared Cost - Works - Water Supply System Portion 1,153 1,153 1,153 - - - 1,153 1,203 - - - 1,203 50 15 Construction of Municipal Services 44,361 - 120,104 - (75,743 44,361 - 120,878 - (76,430 44,448 87	12	Facilities Management	8,747	8,184	1,971	(67)	(977)	9,111	8,535	17,736	-	(15,989)	10,282	1,171	
Water Supply System Portion 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,153 1,203 1,153 1,203 1,153 1,203	13	Administration	319	342	-	-	-	342	370	-	-	-	370	28	
Works Department - Water Supply System Subtotal 98,999 57,286 123,539 (67) (79,257) 101,501 60,033 140,784 - (95,236) 105,581 4,080 4.0% Works Department - Sanitary Sewerage System 1 Cleaning, Repairs and Maintenance Holes 2,421 2,188 - - 2,188 - - 2,188 - - 2,188 - - 2,188 - - 2,188 - - 2,188 - - - 2,188 - - - 2,188 - - - 2,188 - - - 2,188 - - - 2,188 - - - 2,188 - - - 2,188 - - - 2,188 - - - 2,188 - - - 1,011 2,556 3,389 - - 1,014 2,375 (181) 3 Depot Operations 3,975 3,492	14	•	1,153	1,153	-	-	-	1,153	1,203	-	-	-	1,203	50	
Subtotal 98,999 57,286 123,539 (67) (79,257) 101,501 60,033 140,784 - (95,236) 105,881 4,080 4.0% Works Department - Sanitary Sewerage System 1 Cleaning, Repairs and Maintenance Holes 2,421 2,188 - - 2,188 2,208 - - - 2,208 20 2 Sewer Connections 2,450 3,567 - - (1,011) 2,556 3,389 - - (1,014) 2,375 (181) 3 Depot Operations 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 4 WPCPs and Pumping Stations 26,625 25,240 2,196 - (214) 27,222 26,393 308 - (284) 26,417 (805) 5 Duffin Creek WPCP (a) Management Committee 1,007 2,836 - - (1,771) 1,065 2	15	Construction of Municipal Services	44,361	-	120,104	-	(75,743)	44,361	-	120,878	-	(76,430)	44,448	87	
Works Department - Sanitary Sewerage System 1 Cleaning, Repairs and Maintenance Holes 2,421 2,188 - - 2,188 2,208 - - - 2,208 20 2 Sewer Connections 2,450 3,567 - - (1,011) 2,556 3,389 - - (1,014) 2,375 (181) 3 Depot Operations 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 4 WPCPs and Pumping Stations 26,625 25,240 2,196 - (214) 27,222 26,393 308 - (284) 26,417 (805) 5 Duffin Creek WPCP (a) Management Committee 1,007 2,836 - - (1,771) 1,065 2,918 - - (1,820) 1,098 33 (b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 93			98.999	57.286	123,539	(67)	(79.257)	101.501	60.033	140.784	_	(95.236)	105.581	4.080	4.0%
1 Cleaning, Repairs and Maintenance Holes 2,421 2,188 - - - 2,188 2,208 - - - 2,208 20 2 Sewer Connections 2,450 3,567 - - (1,011) 2,556 3,389 - - (1,014) 2,375 (181) 3 Depot Operations 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 4 WPCPs and Pumping Stations 26,625 25,240 2,196 - (214) 27,222 26,393 308 - (284) 26,417 (805) 5 Duffin Creek WPCP (a) Management Committee 1,007 2,836 - - (1,771) 1,065 2,918 - - (1,820) 1,098 33 (b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 939 (c) Duffin Creek Tech Support	Subt	otal				(0.7	(10,201)			,		(00,200)			
Holes 2,421 2,188 2,188 2,208 2,208 20 2 Sewer Connections 2,450 3,567 (1,011) 2,556 3,389 (1,014) 2,375 (181) 3 Depot Operations 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 4 WPCPs and Pumping Stations 26,625 25,240 2,196 - (214) 27,222 26,393 308 - (284) 26,417 (805) 5 Duffin Creek WPCP (a) Management Committee 1,007 2,836 (1,771) 1,065 2,918 (1,820) 1,098 33 (b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 939 (c) Duffin Creek Tech Support 43 231 (189) 42 234 (192) 42 - (4) Duffin Creek Administration 547 3,019 (2,472) 547 3,147 (2,572) 575 28 (e) Duffin Creek Facility 762 2,000 550 - (2,067) 483 1,910 1,437 - (2,681) 666 183	Wor	ks Department - Sanitary Sewerage Sys	tem												
3 Depot Operations 3,975 3,492 331 - (29) 3,794 3,612 416 - (34) 3,994 200 4 WPCPs and Pumping Stations 26,625 25,240 2,196 - (214) 27,222 26,393 308 - (284) 26,417 (805) 5 Duffin Creek WPCP (a) Management Committee 1,007 2,836 (1,771) 1,065 2,918 (1,820) 1,098 33 (b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 939 (c) Duffin Creek Tech Support 43 231 (189) 42 234 (192) 42 - (4) Duffin Creek Administration 547 3,019 (2,472) 547 3,147 (2,572) 575 28 (e) Duffin Creek Facility 762 2,000 550 - (2,067) 483 1,910 1,437 - (2,681) 666 183	1	• ,	2,421	2,188	-	-	-	2,188	2,208	-	-	-	2,208	20	
4 WPCPs and Pumping Stations 26,625 25,240 2,196 - (214) 27,222 26,393 308 - (284) 26,417 (805) 5 Duffin Creek WPCP (a) Management Committee 1,007 2,836 (1,771) 1,065 2,918 (1,820) 1,098 33 (b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 939 (c) Duffin Creek Tech Support 43 231 (189) 42 234 (192) 42 - (4) Duffin Creek Administration 547 3,019 (2,472) 547 3,147 (2,572) 575 28 (e) Duffin Creek Facility 762 2,000 550 - (2,067) 483 1,910 1,437 - (2,681) 666 183	2	Sewer Connections	2,450	3,567	-	-	(1,011)	2,556	3,389	-	-	(1,014)	2,375	(181)	
5 Duffin Creek WPCP (a) Management Committee	3	Depot Operations	3,975	3,492	331	-	(29)	3,794	3,612	416	-	(34)	3,994	200	
(a) Management Committee 1,007 2,836 (1,771) 1,065 2,918 (1,820) 1,098 33 (b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 939 (c) Duffin Creek Tech Support 43 231 (189) 42 234 (192) 42 -	4	WPCPs and Pumping Stations	26,625	25,240	2,196	-	(214)	27,222	26,393	308	-	(284)	26,417	(805)	
(b) Duffin Creek Plant 5,740 30,313 2,494 - (27,171) 5,636 38,371 570 - (32,366) 6,575 939 (c) Duffin Creek Tech Support 43 231 (189) 42 234 (192) 42 - (192) 10 (192)	5	Duffin Creek WPCP													
(c) Duffin Creek Tech Support 43 231 (189) 42 234 (192) 42 - (192) 547 (192)		(a) Management Committee	1,007	2,836	-	-	(1,771)	1,065	2,918	-	-	(1,820)	1,098	33	
(d) Duffin Creek Administration 547 3,019 (2,472) 547 3,147 (2,572) 575 28 (e) Duffin Creek Facility 762 2,000 550 - (2,067) 483 1,910 1,437 - (2,681) 666 183		(b) Duffin Creek Plant	5,740	30,313	2,494	-	(27,171)	5,636	38,371	570	-	(32,366)	6,575	939	
(e) Duffin Creek Facility 762 2,000 550 - (2,067) 483 1,910 1,437 - (2,681) 666 183		(c) Duffin Creek Tech Support	43	231	-	-	(189)	42	234	-	-	(192)	42	-	
		(d) Duffin Creek Administration	547	3,019	-	-	(2,472)	547	3,147	-	-	(2,572)	575	28	
Total Duffin Creek WPCP 8,099 38,399 3,044 - (33,670) 7,773 46,580 2,007 - (39,631) 8,956 1,183		(e) Duffin Creek Facility	762	2,000	550	-	(2,067)	483	1,910	1,437	-	(2,681)	666	183	
		Total Duffin Creek WPCP	8,099	38,399	3,044	-	(33,670)	7,773	46,580	2,007	-	(39,631)	8,956	1,183	

2023 Proposed Business Plans and Budgets

Financial Details: Summary by Program (\$,000's)

Provides the total operating expense, capital expense, subsidy, other revenue and the resulting user rate requirement for each major program and service

■ Durham ≅	2022		2022	Approved B	udgets			2023 F	Proposed B	udgets		Variar	nce
Budget 202	Estimated Actuals	Operating Expenses	Gross Capital	Subsidy Funding	Other Funding	Approved Budget	Operating Expenses	Gross Capital	Subsidy Funding	Other Funding	Proposed Budget	\$	%
6 Regional Environmental Laboratory	760	3,213	1,057	-	(3,660)	610	3,053	703	-	(3,294)	462	(148)	
7 Engineering and Staff Support	6,096	8,076	197	-	(962)	7,311	8,440	326	-	(1,023)	7,743	432	
8 Facilities Management	9,774	9,516	2,035	(26)	(952)	10,573	10,243	17,382	-	(16,115)	11,510	937	
9 Administration	359	345	-	-	-	345	373	-	-	-	373	28	
Headquarters Shared Cost - Works - Sanitary Sewerage System Portion	1,153	1,153	-	-	-	1,153	1,203	-	-	-	1,203	50	
11 Construction of Municipal Services	30,864	-	138,660	-	(107,796)	30,864	-	126,310	-	(90,792)	35,518	4,654	
Works Department - Sanitary Sewerage System Subtotal	92,576	95,189	147,520	(26)	(148,294)	94,389	105,494	147,452	-	(152,187)	100,759	6,370	6.7%
User Rate Requirement Works Department - Water Supply System and Sanitary Sewerage System	191,575	152,475	271,059	(93)	(227,551)	195,890	165,527	288,236	-	(247,423)	206,340	10,450	5.3%

Financial Details: Summary of Capital (\$,000's)

Provides a summary of the current year capital budget, nine-year capital forecast and proposed financing summarized by asset type. See Appendices for specific capital projects

■ Durham ≅	2022	2023	Forecast					
Durham Budget 828	Approved Budget	Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Water Supply System								
Capital Expenditures								
Linear Infrastructure	45,468	64,491	134,883	74,439	84,315	59,235	233,521	586,393
Building & Structures	64,013	67,294	72,540	224,197	242,814	243,667	257,035	1,040,253
Machinery & Equipment	8,163	3,565	9,167	10,599	7,105	8,771	39,524	75,166
Information Technology Infrastructure	1,278	182	10,128	3,367	5,904	508	1,303	21,210
Vehicles	304	1,245	509	28	153	56	217	963
Furniture & Fixtures	88	10	208	18	12	11	24	273
Allowances & Other Provisions	4,225	3,997	4,832	4,450	4,536	6,442	26,241	46,501
Capital Expenditure Subtotal	123,539	140,784	232,267	317,098	344,839	318,690	557,865	1,770,759
Capital Financing								
Water Residential DC	63,793	68,205	80,643	86,118	38,763	42,419	88,338	336,281
Water Commercial DC	2,420	2,462	3,632	4,872	8,815	3,488	7,825	28,632
Water Industrial DC	1,607	-	8,072	8,618	3,091	13,066	17,688	50,535
Reserve Fund - Asset Management	5,623	5,764	13,507	6,155	6,206	6,362	34,913	67,143
Reserve Fund - Water Rate Stabilization	2,548	311	9,125	20,002	70,727	29,025	16,396	145,275
Equipment Replacement Reserve	33	-	-	-	-	-	-	-
Reserve Fund - Servicing of Employment	684	-	2,450	1,408	-	-	-	3,858
Lands Developer Contributions	-	-	7,000	314	-	81,826	-	89,140
Subsidy / Grant	67	-	-	-	-	-	-	-
Debentures - DC Funded	-	-	23,652	56,019	156,739	32,570	25,054	294,034
Debentures - User Rate Funded	-	15,666	11,667	73,272	-	45,705	17,300	147,944
User Rate	46,764	48,376	72,519	60,320	60,498	64,229	350,351	607,917
Capital Financing Subtotal	123,539	140,784	232,267	317,098	344,839	318,690	557,865	1,770,759
Total Capital Water Supply System	123,539	140,784	232,267	317,098	344,839	318,690	557,865	1,770,759

Financial Details: Summary of Capital (\$,000's)

Provides a summary of the current year capital budget, nine-year capital forecast and proposed financing summarized by asset type. See Appendices for specific capital projects

Durham	2022	2023	Forecast					
Durham Budget	Approved Budget	Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Sanitary Sewerage System								
Capital Expenditures								
Linear Infrastructure	28,499	46,615	189,710	52,978	135,408	82,729	414,584	875,409
Building & Structures	20,715	32,325	77,110	199,213	46,429	42,965	502,641	868,358
Machinery & Equipment	91,956	61,829	70,076	43,577	61,263	80,977	213,243	469,136
Information Technology Infrastructure	3,008	963	450	1,800	1,846	483	1,706	6,285
Vehicles	379	395	509	28	153	56	217	963
Furniture & Fixtures	88	10	202	11	12	11	24	260
Allowances and Other Provisions	2,875	5,315	5,865	4,415	4,765	4,665	23,075	42,785
Capital Expenditure Subtotal	147,520	147,452	343,922	302,022	249,876	211,886	1,155,490	2,263,196
Capital Financing								
Sewer Residential DC	25,703	36,203	46,450	44,240	38,173	48,023	91,901	268,787
Sewer Commercial DC	2,341	2,609	9,621	7,107	6,962	3,754	11,788	39,232
Sewer Industrial DC	192	1,874	28,554	6,369	2,982	8,000	12,174	58,079
Reserve Fund - Environmental Lab	750	475	575	125	400	325	915	2,340
Reserve Fund - Sewer Rate Stabilization	9,825	442	86,151	36,989	13,100	18,340	55,284	209,864
Reserve Fund - Servicing of Employment Lands	509	-	1,653	-	580	1,066	-	3,299
Equipment Replacement Reserve	14	-	-	-	-	-	-	-
Reserve Fund - Asset Management	9,275	11,107	21,352	11,108	15,238	10,494	56,539	114,731
Recovery From York	63,388	40,691	51,670	27,882	54,980	58,199	404,296	597,027

Financial Details: Summary of Capital (\$,000's)

Provides a summary of the current year capital budget, nine-year capital forecast and proposed financing summarized by asset type. See Appendices for specific capital projects

Durham 🖀	2022	2023	Forecast						
Durham Budget	Approved Budget	Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
Subsidy / Grant	26	-	-	-	-	-	-	-	
Debentures - DC Funded	-	-	38,893	52,177	69,297	12,000	106,140	278,507	
Debentures - User Rate Funded	-	15,667	11,667	69,000	-	-	101,550	182,217	
User Rate	35,497	38,384	47,336	47,025	48,164	51,685	314,903	509,113	
Capital Financing Subtotal	147,520	147,452	343,922	302,022	249,876	211,886	1,155,490	2,263,196	
Total Capital Sanitary Sewerage System	147,520	147,452	343,922	302,022	249,876	211,886	1,155,490	2,263,196	
Total Capital Works Department - Water Supply System and Sanitary Sewerage System	271,059	288,236	576,189	619,120	594,715	530,576	1,713,355	4,033,955	

Detail	s of B	udget	Changes

Strategic Investments: Water Supply System	2023 Impact (\$ 000's)
New positions not captured below – details of the 3.026 FTEs are provided in Staffing Details. 2024 incremental impact of \$210k	183
Expansion and modernization of Maintenance Depots to accommodate increased service demand due to population growth including land acquisition for the Sunderland Depot (\$1,333k), the Whitby/Oshawa Depot (\$12,667k) and design of the expansion to the Ajax Depot (\$1,667k). These projects are fully funded by debenture proceeds. Annual debt service costs of \$1.02 million will be required in 2024. A portion of the debt servicing costs may be eligible to be financed from development charges	-
New position (1.0 FTE), additional staffing resources (equivalent of 10 positions being allocated form Works General Tax) and overhead for locates program to ensure compliance with <i>Ontario Underground Infrastructure Notification System Act, 2012</i> (\$861k in capital). 2024 incremental impact of \$602k	1,488
Increase in stand-by and overtime pay to support response to the increased frequency of severe weather events	113
New position (0.280 FTE) and other support costs to maintain the new Enterprise Maintenance Management System (EMMS) – to allow staff to manage activities, capture life-cycle cost data and provide real-time maintenance information. 2024 incremental impact of \$36k	189
Integrated security capital project to replace the security control panels and programming at all regional facilities to meet the new facility standard	310
Additional financing for the energy retrofit and modernization (\$311k) of 101 Consumers Drive, Whitby to optimize space, reduce greenhouse gas emissions and provide energy efficient lighting. This additional financing is provided from the Water Rate Stabilization Reserve Fund	-
Net increase in the user rate funded portion of capital investment not captured above – see detailed project listing in Appendix B	441
Strategic Investments: Water Supply System Subtotal	2,724

Base Adjustments: Water Supply System	2023 Impact (\$ 000's)
Economic increases	335
Annualization of 9.01 FTEs approved in the 2022 budget	514
Various revenue adjustments to align with actuals	(274)

Details of Budget Changes Continued	
Inflationary increases including chemicals (\$1,064k) and utilities (\$241k)	1,333
Line-by-line review savings	(598)
Increase in Water Supply System's share of costs for the operation and maintenance of Regional Headquarters	46
Base Adjustments: Water Supply System Subtotal	1,356
Net Changes: Water Supply System Subtotal	4,080

Details of Budget Changes Continued

Strategic Investments: Sanitary Sewerage System	2023 Impact (\$ 000's)
New positions not captured below – details of the 2.773 FTEs are provided in Staffing Details. 2024 annualized impact of \$195k	162
Expansion and modernization of Maintenance Depots to accommodate increased service demand due to population growth including land acquisition for the Sunderland Depot (\$1,333k), the Whitby/Oshawa Depot (\$12,667k) and design of the expansion to the Ajax Depot (\$1,667k). These projects are fully funded by debenture proceeds. Annual debt service costs of \$1.02 million will be required in 2024. A portion of the debt servicing costs may be eligible to be financed from development charges	-
New position (0.310 FTE) and other support costs to maintain the new Enterprise Maintenance Management System (EMMS) – to allow staff to manage activities, capture life-cycle cost data and provide real-time maintenance information. 2024 annualized impact of \$40k	168
Integrated security capital project to replace the security control panels and programming at all regional facilities to meet the new facility standard	336
Additional financing for the energy retrofit and modernization (\$311k) of 101 Consumers Drive, Whitby to optimize space, reduce greenhouse gas emissions and provide energy efficient lighting. This additional financing is provided by the Sewer Rate Stabilization Reserve Fund	-
Net increase in the user rate funded portion of capital investment not captured above – see detailed project listing in Appendix D	2,540
Strategic Investments: Sanitary Sewerage System Subtotal	3,206
Base Adjustments: Sanitary Sewerage System Economic increases	2023 Impact (\$ 000's) 408
Annualization of 7.519 FTEs approved in the 2022 budget	417
Various revenue adjustments to align with actuals	(110)
Inflationary increases including chemicals (\$1,857k) and utilities (\$760k)	2,923
Line-by-line review savings	(520)
2000 Paris and Paris and Paris and Paris and	0.4

Details of Budget Changes Continued	
Increase in Sanitary Sewerage System's share of costs for the operation and maintenance of Regional Headquarters	46
Base Adjustments: Sanitary Sewerage System Subtotal	3,164
Net Changes: Sanitary Sewerage System Subtotal	6,370
Net Changes: Works Department - Water Supply System and Sanitary Sewerage System	10,450

^{*}Note that impacts are net of recoveries

Staffing Details		
Water Supply System	Full Time E	quivalents (FTE's)
2022 Approved Complement (Restated)		<u>204.048</u>
Proposed New Positions		
Supervisor - to monitor, develop, schedule and manage the various positions pertaining to the development of the Regions centralized Utility Locate program.	1.000	
Supervisor DCAM - to support increase in project delivery for depots, sewage treatment plants and water pumping stations, and major capital projects supporting corporate priorities (Note: this position is shared with Sanitary Sewerage, Works General Tax and Waste Management)	0.271	
Emergency Management Coordinator - to support emergency management programs and initiatives corporately and departmentally as a dedicated liaison with Durham Emergency Management (Note: this position is shared with Sanitary Sewerage, Works General Tax and Waste Management)	0.250	
Business Analyst - to provide business support for the Enterprise Maintenance Management System (Note: this position is shared with Sanitary Sewerage and Works General Tax)	0.280	
Junior Project Engineer (2 positions) - to support the vertical group in the delivery of capital projects (Note: these two positions are shared with Sanitary Sewerage)	1.060	
Works Technician 2 - to provide CAD support to the vertical and linear project teams (Note: this position is shared with Sanitary Sewerage)	0.530	
Works Technician 5 - to support the vertical group in the delivery of capital projects (Note: this position is shared with Sanitary Sewerage)	0.530	
Inspector 3 - to support the projects in the Construction Division and reduce reliance on consulting services and temporary staff (Note: this position is shared with Sanitary Sewerage and Works General Tax)	0.385	
Total Proposed New Positions		4.306
Water Supply System Subtotal		208.354

Staffing Details Continued		
Sanitary Sewerage System	Full Time Ed	quivalents (FTE's)
2022 Approved Complement (Restated)		<u>278.793</u>
Proposed New Positions Supervisor DCAM - to support increase in project delivery for depots, sewage treatment		
plants and water pumping stations, and major capital projects supporting corporate priorities (Note: this position is shared with Water Supply, Works General Tax and Waste Management)	0.386	
Emergency Management Coordinator - To support emergency management programs and initiatives corporately and departmentally as a dedicated liaison with Durham Emergency Management (Note: this position is shared with Water Supply, Works General Tax and Waste)	0.250	
Business Analyst - to provide business support for the Enterprise Maintenance Management System (Note: this position is shared with Water Supply and Works General Tax)	0.310	
Junior Project Engineer (2 positions) - to support the vertical group in the delivery of capital projects (Note: these two positions are shared with Water Supply)	0.940	
Works Technician 2 - to provide CAD support to the vertical and linear project teams (Note: this position is shared with Water Supply)	0.470	
Works Technician 5 - To support the vertical group in the delivery of capital projects (Note: this position is shared with Water Supply)	0.470	
Inspector 3 - to support the projects in the Construction Division and reduce reliance on consulting services and temporary staff (Note: this position is shared with Water Supply and Works General Tax)	0.257	
Total Proposed New Positions		3.083
Sanitary Sewerage System Subtotal		281.876
Total Complement: Works Department - Water Supply System and Sanitary Sewerage System		490.230

Looking Forward

Water supply and sanitary sewerage systems support residents, businesses, and institutions by providing public infrastructure, reliable service, and expertise so that healthy and sustainable communities thrive. To support these commitments the Region continues to modernize operations through a variety of initiatives including:

- the implementation of the Enterprise Maintenance Management System has moved maintenance operations from paper-based information processing to a comprehensive work management system, providing real time maintenance activities and information;
- the utilization of technology such as drones, sonar and submersible cameras for inspections and assessments;
 and innovative mapping technology;
- continued shift to digitized public facing services to enhance the experience of residents and business that access services provided by the Works Department, such as continued enhancements to the online permitting system including adding additional permits to the system;
- refinement of design standards for Regional construction projects to further protect the natural environment and incorporate compliance measures related to the Excess Soil Management Regulation;
- implementing climate mitigation and GHG reduction strategies and measures, including conversion of the Region's fleet of vehicles and equipment to lower carbon options and development of a GHG Emissions Management Strategy for Water Supply and Sanitary Sewerage facilities;
- presentation and implementation of the Durham Building Standard, providing guidelines related to energy efficiency, greenhouse gas emissions and reductions, and incorporation of amenities that support diversity and inclusion in the workplace for all projects related to the construction or renovation/retrofit of Regional facilities;
- future implementation of recommendations from Integrated Resource Recovery Studies for Water Pollution Control Plants; and
- continued advancement of the water meter retrofit initiative, installing radio frequency remote reading devices (RF) to eliminate manual meter readings. This is a significant enhancement from a customer service perspective and has been much anticipated as the follow up step to the MyDurhamWater project.

Looking Forward Continued

The Region will continue to leverage long-term financial planning to chart a response to some of the significant challenges ahead which include leading infrastructure renewal (in alignment with the Region's Asset Management Plan and prudent asset management practices), preparing for projected Regional growth and new development which will increase demands for Regional services, and major plant expansions and infrastructure construction projects (including the continued servicing of employment lands and infrastructure constructed to service developments in Seaton in Pickering, West Whitby, Courtice and Newcastle in Clarington, and in North Oshawa).

As part of these long-term financial planning efforts the Region continues to monitor its SCADA WAN which provides wireless communication to approximately 75 water sites. The existing 3,650-3,700Mhz frequency band used is regulated by Innovation, Science and Economic Development Canada (ISED). ISED has planned to terminate all radio licenses in the Region's current band to reallocate for 5G cellular communications and provisioning of frequencies to lesser served areas. Also, ISED has allocated a new frequency band for users displaced by this decision, which means that the Region must discontinue use of the current frequency band by March 31, 2025. The Works Department is expecting this frequency band reallocation decision will result in the replacement of radio units, antennas, routers, cabling, and communication panel modifications. The Region has included \$3 million in the capital budget and forecast to help address these challenges, and the WAN assessment and pre-design work has commenced.

Further, in alignment with Regional Council's commitment to confront climate change, a core element in the design and construction of Regional infrastructure is sustainability - using best practices and innovations developed through in-house research and partnerships with academia. In particular, the Region's wastewater assets have the potential to contribute to both corporate and Region-wide GHG reduction targets by transferring thermal energy (e.g., heating and cooling) between trunk sanitary sewer collection systems and adjacent buildings and facilities displacing energy consumption that might otherwise come from fossil fuel energy sources. Such projects, referred to as wastewater energy transfer (WET) projects, can reduce GHGs from the building sector which is the second largest source of community-wide emissions. Discussions are ongoing regarding the implementation of the first WET project in the Region.

The Supporting Growth and Housing in York and Durham Region Act, 2022 (Bill 23) suddenly received Royal Assent on November 28, 2022 in the provincial legislature. This legislation will impact the amount of development charges available to fund new and expanded infrastructure to service growth. Schedule 10 within Bill 23 provides the provincial direction for the wastewater servicing for the Upper York Sewage Solution which includes the Lake Ontario option of conveying wastewater south to the York Durham Sewerage System. A detailed review of the proposed servicing option will need to be conducted in consultation with the Region of York to determine infrastructure planning impacts.

Appendix A: 2023 Water Supply System Capital Projects (\$,000's)

■ Durham ≅						2023	Proposed Fina	ncing				2023	Proposed		Total
Durham Budget 202	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Vater Supply System															
inear Infrastructure															
1 R.R. 2A (Centre St.) from Athol St. to Adelaide Ave., Oshawa	-	-	-	-	-	-	-	-	-	-	250	250	1,860	-	2,11
2 R.R. 14 (Liberty St.) from Baseline Rd. to King St., Bowmanville	-	-	-	-	-	-	-	-	-	-	100	100	200	3,100	3,40
R.R. 22 (Bloor St.) from east of Harmony Rd. to Grandview St., Oshawa	-	-	-	-	-	-	-	-	-	-	100	100	50	1,350	1,500
⁷ R.R. 22 (Victoria St.) from Thickson Rd. to South Blair St.	-	-	-	-	-	-	-	-	-	-	80	80	550	-	630
20 R.R. 56 (Farewell St.) from Harbour Rd. to Bloor St., Oshawa	-	-	-	-	-	-	-	-	-	-	800	800	200	-	1,000
Replacement of watermain on R.R. 56 21 (Farewell St.) from Canadian National Railway to Bloor St., Oshawa	-	-	-	-	-	-	-	-	-	-	385	385	830	-	1,21
Area Municipality Road Program - Replacement of deficient watermains and/or construction of required works in conjunction with the City of Oshawa Road Program	-	-	-	-	-	-	-	-	-	-	900	900	450	9,900	11,250
Area Municipality Road Program - Replacement of deficient watermains and/or 32 construction of required works in conjunction with the Municipality of Clarington Road Program	-	-	-	-	-	-	-	-	-	-	1,385	1,385	-	3,330	4,71
Area Municipality Road Program - Replacement of deficient watermains and/or construction of required works in conjunction with the Township of Scugog Road Program	-	-	-	-	-	-	-	-	-	-	200	200	525	1,768	2,49

Durham \sigma						2023	Proposed Final	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Allowance for unknown requirements in 36 conjunction with area municipality road programs	-	-	-	-	-	-	-	-	-	-	200	200	-	1,800	2,000
Watermain replacement on Park Rd. S. and 39 Cubert St., in conjunction with the MTO, Oshawa	-	-	-	-	-	-	-	-	-	-	300	300	-	-	300
Water works to rectify identified system 41 deficiencies independent of road programs in various locations	-	-	-	-	-	-	-	-	-	-	400	400	-	7,800	8,200
Rehabilitation of existing watermains in various locations	-	-	-	-	-	-	-	-	-	-	2,400	2,400	3,000	37,000	42,400
Replacement of a watermain on Kingston 44 Rd. (Hwy No. 2) from Steeple Hill to Merritton Rd., Pickering	-	-	-	-	-	-	-	-	-	-	2,200	2,200	2,090	-	4,290
Replacement of a watermain on Kingston 45 Rd. (Hwy No. 2) from Dixie Rd. to Bainbridge Dr., Pickering	-	-	-	-	-	-	-	-	-	-	2,500	2,500	1,200	-	3,700
Achilles Rd. from Salem Rd. to 100 m west of Salem Rd., Ajax	-	-	-	-	-	-	-	-	-	-	80	80	210	-	290
Replacement of a watermain on Pickering 54 Beach Rd. from Foord Rd. to Hewitt Cres., Ajax	-	-	-	-	-	-	-	-	-	-	360	360	840	-	1,200
Replacement of watermain and valves on 58 Harwood Ave. from Clements Rd. to Falby Crt., Ajax	-	-	-	-	-	-	-	-	-	-	250	250	-	750	1,000
Erosion protection Crystal Beach Boulevard watermain, Whitby	-	-	-	-	-	-	-	-	-	-	500	500	544	5,000	6,044
Replacement of watermain on High St. from Mary St. to Walnut St., Whitby	-	-	-	-	-	-	-	-	-	-	260	260	465	-	725

Durham \						2023	Proposed Fina	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
71 Replacement of watermain on Belton Crt. from Michael Blvd. to S/L, Whitby	-	-	-	-	-	-	-	-	-	-	1,000	1,000	90	-	1,090
Replacement of watermain on Mary St. from Rossland Rd. to Robert St., Oshawa	-	-	-	2,335	-	-	-	-	-	-	-	2,335	40	-	2,375
74 Replacement of watermain on Simcoe St. from Metcalf St. to Quebec St., Oshawa	-	-	-	1,300	-	-	-	-	-	-	-	1,300	691	-	1,991
Replacement of a watermain on Simcoe St. 78 South and easement from Erie St. to Albert St., Oshawa	-	-	-	135	-	-	-	-	-	-	-	135	565	-	700
Replacement of a watermain on Olive Ave. from Simcoe St. to Drew St., Oshawa	-	-	-	-	-	-	-	-	-	-	385	385	2,150	-	2,535
Replacement of watermain on Highway No. 2 82 (King St. W.) from Midtown Dr. to Queen St., Oshawa	-	-	-	-	-	-	-	-	-	-	100	100	-	400	500
Replacement of a watermain on Ritson Rd. from Annis St. to Conant St., Oshawa	-	-	-	-	-	-	-	-	-	-	290	290	100	-	390
Replacement of a watermain on Douglas St. from Conant St. to Wolfe St., Oshawa	=	-	-	-	-	-	-	-	=	-	340	340	100	-	440
91 Replacement of watermain on Conant St. from Myers Rd. to Nelson St., Oshawa	-	-	-	-	-	-	-	-	-	-	100	100	-	390	490
Replacement of watermain on Bigelow St. from 140 m north of Kellett St. to Kellett St., Kellett St. from Bigelow St. to Simcoe St., Beech St from Simcoe St. to 60 m east of Kent St., and Kent St. from Beech St. to 100 m north of Beech St., Port Perry	-	-	-	440	-	-	-	-	-	-	-	440	300	-	740

Durham						2023	Proposed Finar	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Replacement of watermain on Jane St. from Ida St. to 220 m north of Ida St., Sunderland	-	-	-	775	-	-	-	-	-	-	-	775	200	-	975
Replacement of watermain on Maple St. from River St. to dead-end, Sunderland	-	-	-	146	-	-	-	-	-	-	-	146	135	-	281
Replacement of watermain on Centre St. from Mara Rd. to James St., Beaverton	-	-	-	50	-	-	-	-	-	-	-	50	100	650	800
Allowance for the evaluation of feedermains/watermains at creek crossings	-	-	-	-	-	-	-	-	-	-	75	75	-	300	375
Zone 2 feedermain on William Jackson Dr. & 123 Taunton Rd. from Earl Grey Ave. to Ravenscroft Rd., Pickering/ Ajax	-	-	-	-	-	-	174	6,920	-	-	806	7,900	900	-	8,800
Zone 2 feedermain on Church St. from south 124 side of the hydro right of way to Taunton Rd., Ajax	-	-	-	-	-	-	92	3,679	-	-	429	4,200	-	-	4,200
Zone 3 feedermain on Conlin Rd. from 131 Anderson St. to Thickson Rd., Whitby (Region's share only)	-	-	-	-	-	-	22	876	-	-	102	1,000	3,135	-	4,135
Zone 3 feedermain on Mid-Block Arterial 132 from Lynde Creek to Ashburn Rd., Whitby (West Loop) (Region's share only)	-	-	-	-	-	-	123	4,906	-	-	571	5,600	5,400	-	11,000
140 Watermain on Britannia Ave. from Thornton Rd. to Windfields Farm Dr., Oshawa	=	-	-	-	-	-	17	657	-	-	77	751	340	1,250	2,341
Watermain on Thornton Rd. from 100 m 143 North of Conlin Rd. within the Northwood Employment Area, Oshawa	-	-	-	-	-	-	3	131	-	-	16	150	2,122	-	2,272
Zone 1 feedermain on Lambs Rd. from Hwy 154 No. 2 (King St.) to Zone 1 Liberty Street Reservoir, Bowmanville	_	-	-	_	-	_	394	15,680	_	-	1,826	17,900	16,000	27,000	60,900

Durham \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						2023	Proposed Finar	ncing				2023	Proposed		Total
Durham Budget 202	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Zone 2 feedermain on Liberty St. from 158 Concession Rd. 3 and Concession Rd. 4 to Zone 2 Reservoir, Bowmanville	-	-	-	-	-	-	26	1,051	-	-	122	1,199	-	8,300	9,499
Zone 1 feedermain on Highway No. 2 (King 160 Ave.) from Rudell Rd. to 200 m west of North St., Newcastle	-	-	-	-	-	-	3	105	-	-	12	120	200	2,120	2,440
164 Water Meter installation and replacement	-	-	-	-	-	-	-	-	-	-	3,000	3,000	2,000	47,414	52,414
165 Depots - Replacement of polybutylene service connections in various locations	-	-	-	-	-	-	-	-	-	-	50	50	-	50	100
Replacement of lead service connection in various locations	-	-	-	-	-	-	-	-	-	-	450	450	-	29,000	29,450
167 Replacement of valves	-	-	-	-	-	-	-	-	-	-	400	400	-	6,400	6,800
168 Valve Chamber Condition Assessment and inspections	-	-	-	-	-	-	-	-	-	-	450	450	-	1,350	1,800
169 Replacement of hydrants	-	-	-	-	-	-	-	-	-	-	200	200	-	3,650	3,850
Linear Infrastucture Subtotal			-	5,181	•	-	854	34,005	•	-	24,451	64,491	47,582	200,072	312,145
Building and Structures															
172 Expansion of the Whitby Water Supply Plant from 109 MLD to 218 MLD, Whitby	-		-	-	-	-	814	8,101	-	-	4,585	13,500	27,850	234,300	275,650
Garrard Rd. Zone 3 Water Pumping Station - upgrades, Whitby	-		-	-	-	-	38	1,524	-	-	177	1,739	410	-	2,149

Durham \sigma						2023	Proposed Finar	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Proposed Whitby Zone 4 & 5 Pumping 179 Station at Duffs Rd. Reservoir and feedermain, Whitby	-		-	-	-	-	51	2,015	-	-	235	2,301	-	12,000	14,301
Proposed Zone 5 Pumping Station at 187 Harmony Rd. Reservoir and feedermain, Oshawa	=		-	-	-	=	22	876	-	-	102	1,000	1,000	10,200	12,200
Proposed Liberty Street Zone 1 Reservoir 190 11 ML and demolition of the existing elevated tank	-		-	-	-	-	286	11,472	-	-	5,442	17,200	22,100	1,500	40,800
Proposed Zone 2 Pumping Station at the Zone 1 Reservoir - Bowmanville	-		-	-	-	-	130	5,188	-	-	982	6,300	8,800	-	15,100
Newcastle Water Supply Plant - demolition of plant No. 1	-		-	-	-	-	42	417	-	-	541	1,000	300	3,400	4,700
Scugog Water Supply System - Alternative Water Supply Source	-		-	-	-	-	127	1,267	-	-	1,606	3,000	4,530	27,900	35,430
200 Blackstock Water Supply System - upgrades to Municipal Well No. 7	-		-	-	-	-	-	-	-	-	350	350	2,200	-	2,550
Greenbank Water Supply System - 201 Replacement of Municipal Well 1 and 6 with rehabilitation work at the pumphouse	-		-	-	-	-	-	-	-	-	1,000	1,000	-	4,000	5,000
202 Uxbridge Water Supply System - New Well and Pumphouse	-		-	-	-	-	32	319	-	-	150	501	1,500	4,220	6,221
203 Uxbridge Water Supply System - Municipal Well No. 7 Replacement	-		-	-	-	-	-	-	-	-	500	500	-	6,000	6,500
211 Beaverton - additional Water Storage from 2 ML to 4.8 ML	-		-	-	-	-	5	212	-	-	283	500	-	9,000	9,500

Durham 🖁			·			2023	Proposed Final	ncing				2023	Proposed	_	Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
213 Reservoir inspections, condition assessment and minor rehabilitation works	-		-	300	-	-	-	-	-	-	-	300	-	2,400	2,700
214 Wellhead protection at Regional well sites	-		-	-	-	-	-	-	-	-	800	800	800	7,200	8,800
217 Replace Fire Panel and Smoke Detector - Ajax WSP	-	Replacement	-	-	-	-	-	-	-	-	141	141	-	-	141
220 Access Ladder Repair/Replacement Project - Various Locations	2	Replacement	-	-	-	-	-	-	-	-	15	15	-	-	15
223 Replacement of Fire System - Oshawa/Whitby Depot	-	Replacement	-	-	-	-	-	-	-	-	67	67	-	-	67
227 Widening of Existing Canopy Entrance - Sunderland Depot	-	Replacement	-	-	-	-	-	-	-	-	8	8	-	-	8
229 Roof Replacement on Vehicle Storage Bays - Orono Depot	-	Replacement	-	-	-	-	-	-	-	-	27	27	-	-	27
231 Metering Chamber Drainage - Oshawa WSP	-	Replacement	-	-	-	-	-	-	-	-	595	595	-	-	595
236 RTU's 1 2 3 4 Replacement - Oshawa WSP	1	Replacement	-	-	-	-	-	-	-	-	457	457	-	-	457
239 Renovation & Optimization - 101 Consumers	-	Replacement	-	310	-	-	-	-	-	-	-	310	-	-	310
Depot Rationalization - Ajax Depot Expansion	-	New	-	-	-	-	-	-	-	1,667	-	1,667	-	-	1,667

Durham 🖁						2023	Proposed Final	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Depot Rationalization - New Oshawa/Whitby Depot	-	New	-	-	-	-	-	-	-	12,667	-	12,667	-	-	12,667
Depot Rationalization - New Sunderland Depot	-	New	-	-	-	-	-	-	-	1,333	-	1,333	-	-	1,333
Repairs and Epoxy Coat Fleet Bay Concrete 249 Floors & Repairs to Floor Drains in Fleet Bays - Scugog Depot	-	Replacement	-	-	-	-	-	-	-	-	16	16	-	-	16
Buildings & Structures Subtotal				610			1,547	31,391		15,667	18,079	67,294	69,490	322,120	458,904
Machinery & Equipment															
251 Ajax Water Supply Plant - pump replacement with variable frequency drive	-		-	-	-	-	-	-	-	-	100	100	-	500	600
252 Ajax Water Supply Plant - hyochlorite feed and control system upgrades	-		-	-	-	-	-	-	-	-	600	600	100	-	700
254 Cherrywood Water Pumping Station upgrades - pumps and feedermain, Pickering	-		-	-	-	-	-	-	-	-	250	250	500	1,800	2,550
Oshawa Water Supply Plant - Replacement/rehabilitation of the sedimentation tanks, Header & Backwash valves, and piping	-		-	-	-	-	-	-	-	-	300	300	550	2,900	3,750
Taunton Rd. Water Pumping Station and 266 Reservoir - station improvements and replacement	-		-	-	-	-	-	-	-	-	500	500	200	2,300	3,000
Beaverton Water Supply Plant - upgrades Electrical System Study, Grounding Study, Replacement of the Motor Control Centre, Diesel transfer switch, Standby power, uninterrupted power supply (UPS) and Ultraviolet disinfection system	-		-	-	-	-	-	-	-	-	250	250	750	2,600	3,600
281 Emergency Generator Fuel Tank Compliance upgrades Phase 3 and Phase 4	-		-	-	-	-	-	-	-	-	400	400	17,996	-	18,396

Durham Budget	Quantity	New / Replacement		2023 Proposed Financing									Proposed		Total
			Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	2023 Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
282 Replace Uninterrupted Power Supply (UPS) Batteries - Ajax WSP	1	Replacement	-	-	-	-	-	-	-	-	50	50	-	-	50
283 Sulphuric Acid Pump Replacement - Ajax WSP	1	Replacement	-	-	-	-	-	-	-	-	240	240	-	-	240
284 Sump Pump Systems - Ajax WSP	-	Replacement	-	-	-	-	-	-	-	-	122	122	-	-	122
287 Integrated Control Technology - Security Project - Various Locations	-	New	-	-	-	-	-	-	-	-	306	306	-	-	306
297 Pump / Motor / Mixer Repair / Replacement - Plants East	-	Replacement	-	-	-	-	-	-	-	-	80	80	-	-	80
Regulatory Instrumentation Replacement and Maintenance - Various Locations	-	Replacement	-	-	-	-	-	-	-	-	30	30	-	-	30
302 Bar Pullout Tester - Construction	1	New	-	-	-	-	-	-	-	-	4	4	-	-	4
303 Bench Oven - Construction	1	New	-	-	-	-	-	-	-	-	5	5	-	-	5
304 Concrete End Grinder - Construction	1	New	-	-	-	-	-	-	-	-	9	9	-	-	9
307 Gyratory Compactor/Molds/Equipment - Construction	1	New	-	-	-	-	-	-	-	-	23	23	-	-	23
309 Nuclear Densometer - Construction	1	Replacement	-	-	-	-	-	-	-	-	3	3	-	-	3

Durham Budget	Quantity	New / Replacement	2023 Proposed Financing										Proposed		Total
			Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	2023 Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
313 Chlorine Analyzers - Plants Central	3	Replacement	-	-	-	-	-	-	-	-	30	30	-	-	30
314 UPS Battery Replacements and Testing - Plants Central	40	Replacement	-	-	-	-	-	-	-	-	40	40	-	-	40
317 WSP Post Chlorinator Replacement - Oshawa WSP	1	Replacement	-	-	-	-	-	-	-	-	25	25	-	-	25
318 Replace Weigh Scale - Various Locations	4	Replacement	-	-	-	-	-	-	-	-	35	35	-	-	35
319 Tank Liners - Whitby WSP	2	Replacement	-	-	-	-	-	-	-	-	30	30	-	-	30
320 Flow Meter Replacements - WSP Pumping Stations	4	Replacement	-	-	-	-	-	-	-	-	80	80	-	-	80
321 Install Isolation Valve - Taunton Rd. Pumping Station	1	Replacement	-	-	-	-	-	-	-	-	50	50	-	-	50
323 Integrated Control Technology - Security Project - Various Locations	3	New	-	-	-	-	-	-	-	-	3	3	-	-	3
Machinery & Equipment Subtotal			-	-	-	-	-	-	-	-	3,565	3,565	20,096	10,100	33,761
Information Technology Infrastructure															
329 Standard Laptop	2	New	-	-	-	-	-	-	-	-	1	1	-	-	1
332 GIS Hardware (Monitors, Backup Devices and Other) - Data System Management	1	Replacement	-	-	-	-	-	-	-	-	5	5	-	-	5

Appendix A: 2023 Water Supply System Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

■ Durham \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\						2023	Proposed Fina	ncing				2023	Proposed		Total
Durham Budget 202	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
333 Power Laptop	13	New	-	-	-	-	-	-	-	-	16	16	-	-	16
334 Computers & Monitors Refresh - Financial Services	-	Replacement	-	-	-	-	-	-	-	-	149	149	-	-	149
338 Power Laptop (with Monitor)	3	New	-	-	-	-	-	-	-	-	5	5	-	-	5
340 Tablet	1	New	-	-	-	-	-	-	-	-	2	2	-	-	2
340 Tablet	1	Replacement	-	-	-	-	-	-	-	-	4	4	-	-	4
Information Technology Infrastructure Subtota	I		-	-	-	-	-	-	-	-	182	182			182
Vehicles															
349 Hybrid PHEV SUV - Oshawa/Whitby Depot	10	New	-	-	-	-	-	-	-	-	850	850	-	-	850
356 Vactor 2100 - Oshawa/Whitby Depot	1	New	-	-	-	-	-	-	-	-	395	395	-	-	395
Vehicles Subtotal				-	-	-	-		-	-	1,245	1,245			1,245
Furniture & Fixtures															
364 A/V Equipment and Technology Upgrades - Various Locations	1	New	-	-	-	-	-	-	-	-	10	10	-	-	10
Furniture & Fixtures Subtotal	·			-	-	-	-	-	-	-	10	10			10

Appendix A: 2023 Water Supply System Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

■ Durham ≅						2023	Proposed Final	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Allowances & Other Provisions															
Regional Water Supply Master Planning Study for the Regional Official Plan Review	-		-	-	-	-	6	219	-	-	25	250	900	800	1,950
367 Asset Condition Assessments - Reports for Vertical Assets	-		-	100	-	-	-	-	-	-	-	100	1,063	2,086	3,249
368 Asset Condition Assessment/ investigation for transmission pipes	-		-	182	-	-	-	-	-	-	-	182	1,037	1,780	2,999
370 Allowance for acquisition of easements	-		-	-	-	-	-	-	-	-	100	100	150	900	1,150
371 Allowance for engineering studies	-		-	-	-	-	-	-	-	-	150	150	-	1,950	2,100
375 Preliminary engineering	-		-	-	-	-	-	-	-	-	100	100	-	900	1,000
376 Allowance for sundry extensions as per Council policy - Various	-		-	-	-	-	-	-	-	-	15	15	-	135	150
377 Allowance for unknown requirements	-		-	-	-	-	-	-	-	-	100	100	-	900	1,000
378 Allowance for land severance review and drawing requirements	-		-	-	-	-	-	-	-	-	100	100	-	900	1,000
Allowance for Regional share for works in 379 conjunction with residential subdivision development	-		-	-	-	-	44	1,752	-	-	204	2,000	-	18,000	20,000

Appendix A: 2023 Water Supply System Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

Durham 🖁						2023	Proposed Finar	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
380 Allowance for Regional share for works in conjunction with non-residential development	-		-	-	-	-	11	438	-	-	51	500	-	4,500	5,000
381 Well interference works	-		-	-	-	-	-	400	-	-	-	400	-	7,200	7,600
Allowances & Other Provisions Subtotal			-	282	-	-	61	2,809	-	-	845	3,997	3,150	40,051	47,198
Water Supply System Subtotal			-	6,075	-	-	2,462	68,205	-	15,666	48,376	140,784	140,318	572,343	853,445
Total Water Supply System				6,075	-	-	2,462	68,205	-	15,666	48,376	140,784	140,318	572,343	853,445

^{*} Rows and columns may not add due to rounding

2023

Reserve Fund

Asset Management Reserve Fund - Water 5,764 Rate Stabilization Reserve Fund - Water 311

Pre-Servicing of Employment Lands Reserve Fund - Water Total Reserve/Reserve Fund Financing 6,075

DC Shortfall Residential DC Shortfall Commercial DC Shortfall Institutional DC Shortfall

Industrial DC Shortfall 11,327 Total DC Shortfall 11,457

Shortfall Financing Source

Rate Stabilization Reserve Fund - Water Debenture - DC Funded

User Rate 11,457

Total Funding 11,457

^{**} Appendix A includes Reserve financing as follows:

^{***} Appendix A includes financing of the following development charge shortfalls as follows:

Durham 🕿					Forecas	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Water Supply								
Linear Infrastructure								
D.D. OA (Combine Ct) from Athel Ct to Adolptide Avia	Pre-Construction	-	-	-	-	-	-	-
R.R. 2A (Centre St) from Athol St. to Adelaide Ave., Oshawa	Construction	250	-	-	-	-	-	-
Osilawa	Total	250	-	-	-	-	-	-
D.D. 44 /Liborty Ct.) from Docaling Del. to King Ct.	Pre-Construction	100	-	-	-	-	-	-
2 R.R. 14 (Liberty St.) from Baseline Rd. to King St., Bowmanville	Construction	-	-	-	3,100	-	-	3,100
	Total	100	-	-	3,100	-	-	3,100
D.D. 46 (Ditago Dd.) frama. Townston Dd. to Conlin Dd.	Pre-Construction	-	-	-	-	-	-	-
R.R. 16 (Ritson Rd.) from Taunton Rd. to Conlin Rd., Oshawa	Construction	-	-	1,100	-	-	-	1,100
Oshawa	Total	-	-	1,100	-	-	-	1,100
D.D. 47 (M. in Ot.) (Ot. 1 Ot. 1 D.1	Pre-Construction	-	-	-	-	-	-	-
4 R.R. 17 (Main St.) from Station St. to Winter Rd., Clarington	Construction	-	-	760	-	-	-	760
Clarifyton	Total	-	-	760	-	-	-	760
	Pre-Construction	-	-	-	-	-	-	-
5 R.R. 22 (Bayly St.) from Westney Rd. to Harwood Ave., Ajax	Construction	-	-	-	-	1,900	-	1,900
Ajax	Total	-	-	-	-	1,900	-	1,900
	Pre-Construction	100	-	-	-	-	-	-
6 R.R. 22 (Bloor St.) from east of Harmony Rd. to Grandview St., Oshawa	Construction	-	-	1,350	-	-	-	1,350
Grandview St., Osnawa	Total	100	-	1,350	-	-	-	1,350
	Pre-Construction	-	-	-	-	-	-	-
R.R. 22 (Victoria St.) from Thickson Rd. to South Blair St., Whitby	Construction	80	-	-	-	-	_	-
St., Willipy	Total	80	-	-	-	-	-	-
	Pre-Construction	-	-	-	500	-	-	500
R.R. 26 (Thickson Rd.) from Consumers Dr. to Dundas	Construction	-	-	-	-	-	2,900	2,900
8 St., Whitby	Total	-	-	-	500	-	2,900	3,400

Durham					Foreca	st		
Budget Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
D.D. OC /Thisles on D.d.\/\Mankeysath Ok Outlood	Pre-Construction	-	-	-	-	-	-	-
9 R.R. 26 (Thickson Rd.)/Wentworth St. Culvert rehabilitation, Whitby	Construction	-	850	-	-	-	-	850
Terrabilitation, vviiliby	Total	-	850	-	-	-	-	850
D.D. 20 (Deceland Dd.) from Dark Dd. to Cimpos Ct	Pre-Construction	-	-	-	-	-	-	-
10 R.R. 28 (Rossland Rd.) from Park Rd. to Simcoe St., Oshawa	Construction	-	-	-	1,100	-	-	1,100
Oshawa	Total	-	-	-	1,100	-	-	1,100
D.D. 20 (Pagaland Dd.) from Bitaan Dd. to Harmony Dd.	Pre-Construction	-	-	-	-	-	-	-
R.R. 28 (Rossland Rd.) from Ritson Rd. to Harmony Rd., Oshawa	Construction	-	-	2,380	-	-	-	2,380
Oshawa	Total	-	-	2,380	-	-	-	2,380
D.D. 20 (Liverneel Dd.) from Highway 401 to Kingston	Pre-Construction	-	-	-	-	-	-	-
R.R. 29 (Liverpool Rd.) from Highway 401 to Kingston Rd. (Highway No. 2), Pickering	Construction	-	-	-	-	-	250	250
rtd. (Highway rtd. 2), Flokoning	Total	-	-	-	-	-	250	250
D.D. 24 (Westney Dd.) from Finley Ave. to Henwood	Pre-Construction	-	-	-	-	-	-	-
R.R. 31 (Westney Rd.) from Finley Ave. to Harwood Ave., Ajax	Construction	-	-	-	-	-	1,230	1,230
7.vo., 7 yux	Total	-	-	-	-	-	1,230	1,230
D.D. 26 (Hanking St.) from Congumers Dr. to Dundes	Pre-Construction	-	270	-	-	-	-	270
R.R. 36 (Hopkins St.) from Consumers Dr. to Dundas St., Whitby	Construction	-	-	-	150	-	500	650
Ot., Williby	Total	-	270	-	150	-	500	920
D.D. 27 (Final Ava.) from Altona Dd. to Brack Dd.	Pre-Construction	-	-	-	-	500	-	500
15 R.R. 37 (Finch Ave.) from Altona Rd. to Brock Rd., Pickering	Construction	-	-	-	-	-	6,000	6,000
1 lokering	Total	-	-	-	-	500	6,000	6,500
D.D. 20 (M/hitara Del) franza Kirarratara Del Himboura a de	Pre-Construction	-	-	-	-	-	500	500
R.R. 38 (Whites Rd.) from Kingston Rd. Highway 2 to Finch Ave., Pickering	Construction		-	-	-	-	2,300	2,300
1 mon Ave., 1 locoring	Total	-	-	-	-	-	2,800	2,800
D.D. FO/Thomaton Dd.) frame Vince Ct. to Ct-II D.	Pre-Construction	-	-	-	-	-	-	-
17 R.R. 52 (Thornton Rd.) from King St. to Stellar Dr., Whitby/Oshawa	Construction	<u>-</u>	-	1,330	-	-	-	1,330
Williay/ Oshawa	Total	-	-	1,330	-	-	-	1,330

■ Durham 🕿					Foreca	st		
Budget 8	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
D.D. 52 (Chause on D.d.) from Himboury 404 to D. a.d. Ch	Pre-Construction	-	-	-	-	-	-	-
R.R. 53 (Stevenson Rd.) from Highway 401 to Bond St., Oshawa	Construction	-	-	-	-	1,430	-	1,430
Osilawa	Total	-	-	-	-	1,430	-	1,430
D.D. F2 (Stayonaan Dd.) from Bond St. to Boooland Dd	Pre-Construction	-	-	-	-	-	-	-
R.R. 53 (Stevenson Rd.) from Bond St. to Rossland Rd., Oshawa	Construction	-	-	-	-	-	3,800	3,800
Oshawa	Total	-	-	-	-	-	3,800	3,800
D.D. F.C. /Faraviall Ct \ frame Lambaria Dd. to Dlaga Ct	Pre-Construction	-	-	-	-	-	-	-
20 R.R. 56 (Farewell St.) from Harbour Rd. to Bloor St., Oshawa	Construction	800	-	-	-	-	-	-
Oshawa	Total	800	-	-	-	-	-	-
Dealers were fundamental as D.D. EC/Essessell Ch	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on R.R. 56 (Farewell St.) from Canadian National Railway to Bloor St., Oshawa	Construction	385	-	-	-	-	-	-
nom Canadan National Natiway to blook St., Oshawa	Total	385	-	-	-	-	-	-
D.D. 57 (Dayma and illa Avec) from Deceline Del Ac	Pre-Construction	-	-	-	-	-	-	-
R.R. 57 (Bowmanville Ave.) from Baseline Rd. to Highway No. 2, Bowmanville	Construction	-	500	-	-	-	-	500
riighway No. 2, Downlanville	Total	-	500	-	-	-	-	500
D.D. FO (Manning Dd.) (Adalaida Ava interconnection	Pre-Construction	-	-	-	-	-	-	-
R.R. 58 (Manning Rd.) /Adelaide Ave. interconnection from Garrard Rd. to Thornton Rd., Whitby and Oshawa	Construction	-	-	-	980	-	-	980
from Garraid Nd. to Mornton Nd., Writiby and Oshawa	Total	-	-	-	980	-	-	980
D.D. FO (Cibb Ct) from Ctoverson Dd to Circos Ct	Pre-Construction	-	-	-	-	-	-	-
R.R. 59 (Gibb St.) from Stevenson Rd. to Simcoe St., Oshawa	Construction	-	-	-	-	-	2,100	2,100
Osilawa	Total	-	-	-	-	-	2,100	2,100
D.D. FO (Cibb Ct) (Olive Ave. Extension from Decomple	Pre-Construction	-	-	-	-	-	-	-
R.R. 59 (Gibb St)./Olive Ave. Extension from Drew St. to Ritson Rd., Oshawa	Construction	-	-	-	-		430	430
Taleon Tal., Oshawa	Total	-	-	-	-	-	430	430
D.D. CO /Wtth Ct / frame Circum Ct / E U. (1	Pre-Construction	-	-	-	-	-	-	-
26 R.R. 60 (Wentworth St.) from Simcoe St. to Farewell St., Oshawa	Construction	-	665	_	-	-	-	665
Osnawa	Total	-	665	-	-	-	-	665

	Durham 🕿					Forecas	st		
	Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Allowers of the west arms singlify as a single state with the	Pre-Construction	-	-	-	-	-	6,000	6,000
27	Allowance for watermains in conjunction with the Regional Road Program	Construction	-	-	-	-	-	-	-
	- Togonar Road Frogram	Total	-	-	-	-	-	6,000	6,000
	Area Municipality Road Program - Replacement of	Pre-Construction	-	275	275	275	275	1,375	2,475
28	deficient watermains and/or construction of required	Construction	-	-	-	-	-	-	-
20	works in conjunction with the City of Pickering Road Program Area Municipality Road Program - Replacement of	Total	-	275	275	275	275	1,375	2,475
	Area Municipality Road Program - Replacement of	Pre-Construction	-	2,100	200	200	200	1,000	3,700
29	deficient watermains and/or construction of required	Construction	-	-	-	-	-	-	-
29	works in conjunction with the Town of Ajax Road Program	Total	-	2,100	200	200	200	1,000	3,700
	Area Municipality Road Program - Replacement of	Pre-Construction	-	1,350	620	620	620	3,100	6,310
30	deficient watermains and/or construction of required	Construction	-	-	-	-	-	-	-
30	works in conjunction with the Town of Whitby Road Program	Total	-	1,350	620	620	620	3,100	6,310
	Area Municipality Road Program - Replacement of	Pre-Construction	900	1,100	1,100	1,100	1,100	5,500	9,900
21	deficient watermains and/or construction of required	Construction	-	-	-	-	-	-	-
31	works in conjunction with the City of Oshawa Road Program	Total	900	1,100	1,100	1,100	1,100	5,500	9,900
	Area Municipality Road Program - Replacement of	Pre-Construction	1,385	370	370	370	370	1,850	3,330
32	deficient watermains and/or construction of required	Construction	-	-	-	-	-	-	-
32	works in conjunction with the Municipality of Clarington Road Program	Total	1,385	370	370	370	370	1,850	3,330
	Area Municipality Road Program - Replacement of	Pre-Construction	200	229	629	130	130	650	1,768
33	deficient watermains and/or construction of required	Construction	-	_	-	-	_	-	-
33	works in conjunction with the Township of Scugog Road Program	Total	200	229	629	130	130	650	1,768

Durham 🕿					Foreca	st		
Budget 20	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Area Municipality Road Program - Replacement of	Pre-Construction	-	270	270	270	270	1,350	2,430
deficient watermains and/or construction of required	Construction	-	-	-	-	-	-	-
works in conjunction with the Township of Uxbridge Road Program	Total	-	270	270	270	270	1,350	2,430
Area Municipality Road Program - Replacement of	Pre-Construction	-	250	250	250	250	1,250	2,250
deficient watermains and/or construction of required	Construction	-	-	-	-	-	-	-
works in conjunction with the Township of Brock Road Program	Total	-	250	250	250	250	1,250	2,250
	Pre-Construction	200	200	200	200	200	1,000	1,800
Allowance for unknown requirements in conjunction with area municipality road programs	Construction	-	-	-	-	-	-	-
area municipality road programs	Total	200	200	200	200	200	1,000	1,800
Weters in the last of the last	Pre-Construction	-	-	-	-	-	-	-
Watermain replacement at Highway 401 and Wilson Rd., in conjunction with the MTO, Oshawa	Construction	-	3,000	-	-	-	-	3,000
in conjunction with the MTO, Oshawa	Total	-	3,000	-	-	-	-	3,000
Motores in replacement in conjugation with the Maturities	Pre-Construction	-	-	-	-	-	-	-
Watermain replacement in conjunction with the Metrolinx Toronto East Rail Corridor expansion to Bowmanville	Construction	-	-	-	3,340	-	-	3,340
Toronto East Itali Corridor expansion to Downlanville	Total	-	-	-	3,340	-	-	3,340
Watermain replacement on Bark Dd. C. and Cubert St.	Pre-Construction	300	-	-	-	-	-	-
Watermain replacement on Park Rd. S. and Cubert St., in conjunction with the MTO, Oshawa	Construction	-	-	-	-	-	-	-
in conjunction with the initio, contawa	Total	300	-	-	-	-	-	-
Allowance for watermains in conjunction with the MTO 9	Pre-Construction	-	-	200	-	250	1,950	2,400
Allowance for watermains in conjunction with the MTO & Go Transit projects	Construction	-	-	-	-	-	<u>-</u>	
23 Transit projecto	Total	-	-	200	-	250	1,950	2,400
Water works to rectify identified system deficiencies	Pre-Construction	-	-	-	-	-	-	-
Water works to rectify identified system deficiencies independent of road programs in various locations	Construction	400	800	800	800	900	4,500	7,800
	Total	400	800	800	800	900	4,500	7,800

Durham 🕿					Foreca	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
D. L. I. Was from the control of the	Pre-Construction	-	-	-	-	-	-	-
Rehabilitation of existing watermains in various locations.	Construction	2,400	3,000	3,000	3,500	4,000	23,500	37,000
locations.	Total	2,400	3,000	3,000	3,500	4,000	23,500	37,000
Replacement of the watermain on Kingston Rd. (Hwy	Pre-Construction	-	-	-	-	-	-	-
43 No. 2) from Altona Rd. to Steeple Hill and Rougemount	Construction	-	-	-	-	3,000	-	3,000
Dr. from Hwy No. 2 to 100 m south, Pickering	Total	-	-	-	-	3,000	-	3,000
Deal constant of constant is an IC contant D.I. (Here No.	Pre-Construction	-	-	-	-	-	-	-
Replacement of a watermain on Kingston Rd. (Hwy No. 2) from Steeple Hill to Merritton Rd., Pickering	Construction	2,200	-	-	-	-	-	-
2) ITOTH Steeple Fill to Merritton Na., Pickering	Total	2,200	-	-	-	-	-	-
	Pre-Construction	-	-	-	-	-	-	-
Replacement of a watermain on Kingston Rd. (Hwy No. 2) from Dixie Rd. to Bainbridge Dr., Pickering	Construction	2,500	-	-	-	-	-	-
2) ITOTTI DIXIE Na. to Dalitbridge Dr., Picketing	Total	2,500	-	-	-	-	-	-
Replacement of watermain on Sandy Beach Rd. from	Pre-Construction	-	-	-	-	-	-	-
46 300 m north of Alyssum St. to 210 m south of Alyssum	Construction	-	300	-	-	-	-	300
St., Pickering	Total	-	300	-	-	-	-	300
	Pre-Construction	-	-	-	-	-	-	-
Replacement of a watermain on Bayly St. from Westshore Blvd. to Mattins Rd., Pickering	Construction	-	-	-	2,800	-	-	2,800
Westshore blvd. to Mattins Rd., Pickering	Total	-	-	-	2,800	-	-	2,800
	Pre-Construction	-	-	-	-	-	-	-
Watermain and valve impovements at Brock Rd. and Montgomery Park Rd., Pickering	Construction	-	300	-	-	-	-	300
Montgomery Park Rd., Picketing	Total	-	300	-	-	-	-	300
	Pre-Construction	-	-	-	-	-	100	100
Replacement of a watermain on Brock Rd. from Feldspar Crt. to Clements Rd., Pickering	Construction	-	-	-	-	-	480	480
reiuspai Gr. to Giernents Ru., Pickering	Total	-	-	-	-	-	580	580
	Pre-Construction	-	-	-	-	-	100	100
Replacement of a watermain on Notion Rd. from Kingston Rd. to approx. 230 m South, Pickering	Construction	-	-	-	-	-	250	250
Kingston Ru. to approx. 230 m South, Pickering	Total	-	-	-	-	-	350	350

Durham 🕿					Forec	ast		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Dealers with the west-market are Allience Del from 200 m	Pre-Construction	-	-	-	-	150	-	150
Replacement of a watermain on Alliance Rd. from 20 m North of Bayly St. S. to dead-end, Pickering	Construction	-	-	-	-	-	400	400
North of Bayry ot. o. to dead-end, I lokering	Total	-	-	-	-	150	400	550
Replacement of watermain on Krosno Blvd. from	Pre-Construction	-	-	-	-	-	-	-
52 Replacement of waterman on Krosno Bivd. from Liverpool Rd. E. to Fanshaw Place, Pickering	Construction	-	400	-	-	-	-	400
Errorpoor Nd. E. to Farionaw Flago, Floroning	Total	-	400	-	-	-	-	400
Replacement of watermain on Achilles Rd. from Salem	Pre-Construction	-	-	-	-	-	-	-
Rd. to 100 m west of Salem Rd., Ajax	Construction	80	-	-	-	-	-	-
rta. to 100 m woot of Galom rta., 7 yax	Total	80	-	-	-	-	-	-
Panlacoment of a watermain on Dickering Reach Dd	Pre-Construction	-	-	-	-	-	-	-
Replacement of a watermain on Pickering Beach Rd. from Foord Rd. to Hewitt Cres., Ajax	Construction	360	-	-	-	-	-	-
	Total	360	-	-	-	-	-	-
Replacement of a watermain on Cedar St. from Tudor	Pre-Construction	-	-	-	-	130	-	130
Ave. W. to Beatty Rd., Ajax	Construction	-	-	-	-	400	-	400
, we will be beauty it all, make	Total	-	-	-	-	530	-	530
Replacement of a watermain on Clements Rd. E. from	Pre-Construction	-	-	-	-	-	-	-
56 Replacement of a watermain on Clements Rd. E. from Burcher Rd. E. to Dryer Dr., Ajax	Construction	-	1,450	-	-	-	-	1,450
Baronor Na. E. to Bryor Br., 7 gax	Total	-	1,450	-	-	-	-	1,450
Replacement of a watermain on Thorncroft Cres. from	Pre-Construction	-	-	-	-	-	-	-
57 Replacement of a watermain of Thorncroft Cres. from Billingsgate Cres. to Billingsgate Cres., Ajax	Construction	-	750	-	-	-	-	750
	Total	-	750	-	-	-	-	750
Replacement of watermain and valves on Harwood Ave.	Pre-Construction	250	-	-	-	-	-	-
from Clements Rd. to Falby Crt., Ajax	Construction	-	-	750	-	-	-	750
c.c.none rar to raisy ora, ryan	Total	250	-	750	-	-	-	750
Panlacoment of watermain on Water St. from the Whithy	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on Water St. from the Whitby WSP to Breakwater SSPS, Whitby	Construction	-	750	-	-	-	-	750
to broakwater cor o, trintey	Total	-	750	-	-	-	-	750

Durham					Forecas	t		
Durnam Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Deplement of watermain on Dundes St. (Huss No. 2)	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on Dundas St. (Hwy No. 2) from Lakeridge Rd. to McQuay Blvd., Whitby	Construction	-	400	-	-	-	-	400
Tom Lakenage Na. to Wooday Diva., Whitby	Total	-	400	-	-	-	-	400
Replacement of watermain on Consumers Dr. from 140	Pre-Construction	-	-	-	-	200	-	200
61 m west of Thickson Rd. S to 110 m east of Sunray St.,	Construction	-	-	-	-	-	590	590
Whitby	Total	-	-	-	-	200	590	790
Danlessant of watermasin on Dalmanatan Ava from	Pre-Construction	-	-	-	200	-	-	200
Replacement of watermain on Palmerston Ave. from Centre St. to Walton Blvd., Whitby	Construction	-	-	-	-	480	-	480
Centre of. to Walton Bivd., Williby	Total	-	-	-	200	480	-	680
Dollars A. Control of M. Contr	Pre-Construction	-	-	-	200	-	-	200
Replacement of watermain on Centre St. N. from Willis Ave. to Rossland Rd. W., Whitby	Construction	-	-	-	-	950	-	950
Ave. to Rossianu Ru. W., Whitby	Total	-	-	-	200	950	-	1,150
D	Pre-Construction	-	-	-	-	-	100	100
Replacement of a watermain on Orchard Crt. from St. Lawrence St. to Orchard Crt., Whitby	Construction	-	-	-	-	-	270	270
Lawrence St. to Ordinard Grt., Writiby	Total	-	-	-	-	-	370	370
D	Pre-Construction	-	140	-	-	-	-	140
Replacement of watermain on Athol St. from St. Lawrence St. to Clemence St., Whitby	Construction	-	-	-	300	-	-	300
Lawrence St. to Clemence St., Whitby	Total	-	140	-	300	-	-	440
D	Pre-Construction	-	100	-	-	-	-	100
Replacement of watermain on St. Lawrence St. from Brock St. to Athol St., Whitby	Construction	-	-	-	130	-	-	130
Block St. to Athor St., Whitby	Total	-	100	-	130	-	-	230
	Pre-Construction	-	-	-	-	-	100	100
Replacement of watermain on Byron St. North from Willis Ave. to Starr Ave., Whitby	Construction	-	-	-	-	-	260	260
viills Ave. to Start Ave., Williby	Total	-	-	-	-	-	360	360
	Pre-Construction	500	-	-	-	-	-	-
Erosion protection Crystal Beach Boulevard watermain,	Construction	-	5,000	_	-	-	-	5,000
Whitby	Total	500	5,000	-	-	-	-	5,000

Durham 🕿					Foreca	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Deplete and of watermania on High Ct. from Many Ct. to	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on High St. from Mary St. to Walnut St., Whitby	Construction	260	-	-	-	-	-	-
vvainat ot., vviitby	Total	260	-	-	-	-	-	-
Danisacement of watermain on Cookrana St. from	Pre-Construction	-	300	-	-	-	-	300
Replacement of watermain on Cochrane St. from Ferguson St. to 125 m north of Beech St. W., Whitby	Construction	-	-	-	-	1,130	-	1,130
r erguson of. to 123 minoral of beech of. w., whitby	Total	-	300	-	-	1,130	-	1,430
Devilagement of watermania on Delton Count from Michael	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on Belton Court from Michael Blvd to S/L, Whitby	Construction	1,000	-	-	-	-	-	-
Biva to 3/E, williby	Total	1,000	-	-	-	-	-	-
Della control for the control of the Western	Pre-Construction	-	-	-	-	-	100	100
Replacement of watermain on Harbour St. from Watson Rd. to dead-end, Whitby	Construction	-	-	-	-	-	1,000	1,000
No. to dead-end, Williby	Total	-	-	-	-	-	1,100	1,100
D. I	Pre-Construction	140	-	-	-	-	-	-
Replacement of watermain on Mary St. from Rossland Rd. to Robert St., Oshawa	Construction	2,195	-	-	-	-	-	-
Nu. to Nobelt St., Oshawa	Total	2,335	-	-	-	-	-	-
	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on Simcoe St. from Metcalf St. to Quebec St., Oshawa	Construction	1,300	-	-	-	-	-	-
St. to Quebec St., Oshawa	Total	1,300	-	-	-	-	-	-
Replacement of feedermain on Simcoe St. from Albert	Pre-Construction	-	500	-	-	-	-	500
75 St. to Bloor St. and Bloor St. from Simcoe St. to Albert	Construction	-	-	-	4,900	-	-	4,900
St., Oshawa	Total	-	500	-	4,900	-	-	5,400
	Pre-Construction	-	-	-	-	-	60	60
Replacement of a feedermain on R.R. 22 (Bloor St.) from Cubert St. to Oxford St., Oshawa	Construction	-	-	-	-	-	240	240
from Cupert St. to Oxford St., Osnawa	Total	-	-	-	-	-	300	300
	Pre-Construction	-	-	-	-	-	-	-
77 Replacement of a feedermain on R.R. 22 (Bloor St.) from Wilson Rd. to Holland St., Oshawa	Construction	-	100	_	-	-	-	100
ITOTH WILSON Rd. to Holland St., Osnawa	Total	-	100	-	-	-	-	100

Durham 🕿					Forecast				
Budget 802	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
Danierament of a sustannesia are Circaea Ct. Castle and	Pre-Construction	-	-	-	-	-	-	-	
Replacement of a watermain on Simcoe St. South and easement from Erie St. to Albert St., Oshawa	Construction	135	-	-	-	-	-	-	
casement from the st. to Abort St., Soliawa	Total	135	-	-	-	-	-	-	
Replacement of a watermain on Olive Ave from Simcoe	Pre-Construction	-	-	-	-	-	-	-	
St. to Drew St., Oshawa	Construction	385	-	-	-	-	-	-	
	Total	385	-	-	-	-	-	-	
Replacement of watermain on R.R. 52 (Thornton Rd.)	Pre-Construction	-	-	-	200	-	-	200	
80 from South of Bloor St. under the Canadian National	Construction	-	-	-	-	200	2,300	2,500	
Railway, Oshawa	Total	-	-	-	200	200	2,300	2,700	
Danie coment of watermanin on Highway No. 2 (King Ct	Pre-Construction	-	-	-	83	-	-	83	
Replacement of watermain on Highway No. 2 (King St. W.) from Garrard Rd. to Thornton Rd., Oshawa	Construction	-	-	-	100	-	-	100	
	Total	-	-	-	183	-	-	183	
Danie	Pre-Construction	100	-	-	-	-	-	-	
Replacement of watermain on Highway No. 2 (King St. W.) from Midtown Dr. to Queen St., Oshawa	Construction	-	400	-	-	-	-	400	
W.) from whiteom Dr. to Queen St., Oshawa	Total	100	400	-	-	-	-	400	
Replacement of watermain on Highway No. 2 (King St.	Pre-Construction	-	-	-	232	-	-	232	
83 E.) from Wilson Rd. to 30 m east of Harmony Creek,	Construction	-	-	-	-	765	-	765	
Oshawa	Total	-	-	-	232	765	-	997	
Danie coment of watermanin on Highway No. 2 (King Ct	Pre-Construction	-	-	-	500	-	-	500	
Replacement of watermain on Highway No. 2 (King St. E.) from Harmony Rd. to Kingsway College, Oshawa	Construction	-	-	-	-	-	1,900	1,900	
E. / Horri Trafficity Nd. to Ningsway College, Oshawa	Total	-	-	-	500	-	1,900	2,400	
Replacement of feedermain on Ritson Rd. from Oshawa	Pre-Construction	-	-	-	-	-	-	-	
85 Water Supply Plant Valve Chamber to Kawartha Ave., Oshawa	Construction	-	7,600	-	-	-	-	7,600	
	Total	-	7,600	-	-	-	-	7,600	
Danis and of a contampolic on Bit on B L O. (Pre-Construction	-	-	-	-	-	-	-	
Replacement of a watermain on Ritson Rd. S. from Kawartha Ave. to Simcoe St. S., Oshawa	Construction	-	_	-	2,800		_	2,800	
	Total	-	-	-	2,800	-	-	2,800	

Durham 🕿					Forecas	Forecast			
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
Devile a sur and of a sur-damena in an Theoretica Del france	Pre-Construction	-	-	-	160	-	-	160	
Replacement of a watermain on Thornton Rd. from Adelaide Ave. to Tatra Dr., Oshawa	Construction	-	-	-	-	-	550	550	
Adelaide Ave. to Tatta Dr., Oshawa	Total	-	-	-	160	-	550	710	
Deplement of a watermain on Adelaida Ave from	Pre-Construction	-	-	-	-	-	100	100	
Replacement of a watermain on Adelaide Ave. from Kaiser Cres. to Simcoe St., Oshawa	Construction	-	-	-	-	-	220	220	
Naiser Gres. to difficult dt., Oshawa	Total	-	-	-	-	-	320	320	
Devices and of a waterwasin on Ditago Dd. from Annie	Pre-Construction	-	-	-	-	-	-	-	
Replacement of a watermain on Ritson Rd. from Annis St. to Conant St., Oshawa	Construction	290	-	-	-	-	-	-	
ot. to condition, condwa	Total	290	-	-	-	-	-	-	
Danie and of a contamonaid on Daniela Ot form	Pre-Construction	-	-	-	-	-	-	-	
Replacement of a watermain on Douglas St. from Conant St. to Wolfe St., Oshawa	Construction	340	-	-	-	-	-	-	
	Total	340	-	-	-	-	-	-	
Della control for the control for Many	Pre-Construction	100	-	-	-	-	-	-	
Replacement of watermain on Conant St. from Myers Rd. to Nelson St., Oshawa	Construction	-	-	390	-	-	-	390	
Nu. to Neison St., Osnawa	Total	100	-	390	-	-	-	390	
Replacement of a watermain on Oxford St. from Malaga	Pre-Construction	-	-	340	-	-	-	340	
92 Rd. to Porter St. and Porter St. from Oxford St. to Glen	Construction	-	-	-	-	1,150	-	1,150	
St., Oshawa	Total	-	-	340	-	1,150	-	1,490	
	Pre-Construction	-	-	100	-	300	-	400	
Replacement of watermain on Valencia Rd. from Oxford St. to dead-end, Oshawa	Construction	-	-	-	-	-	-	-	
St. to dead-end, Oshawa	Total	-	-	100	-	300	-	400	
	Pre-Construction	-	-	-	-	-	100	100	
Replacement of a watermain on Ansley Crt. from	Construction	-	-	-	-	-	280	280	
Rossland Rd. to dead-end, Oshawa	Total	-	-	-	-	-	380	380	
	Pre-Construction	-	-	-	-	-	100	100	
Replacement of a watermain on Wilson Rd. from Raleigh Ave. to Wentworth St., Oshawa	Construction	-	-	-	-	-	425	425	
Naleigh Ave. to Wentworth St., Oshawa	Total	-	-	-	-	-	525	525	

Durham 🕿					Foreca	ıst		
Budget 20	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Replacement of watermain on East Shore Dr./Port	Pre-Construction	-	-	-	-	-	-	-
96 Darlington Rd. from Lake Rd. to Bowmanville Water	Construction	-	-	1,150	-	-	-	1,150
Supply Plant, Bowmanville	Total	-	-	1,150	-	-	-	1,150
Denless and of contemporing an Deseline Del Frest from	Pre-Construction	-	-	150	-	-	-	150
Replacement of watermain on Baseline Rd. East from Liberty St. to Mearns Ave., Bowmanville	Construction	-	-	1,300	1,300	-	-	2,600
Liberty St. to Mearns Ave., Downlanding	Total	-	-	1,450	1,300	-	-	2,750
Deel constant for the contract of the National Contract of the	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on North St. from Wilmot St. to Concession Rd. 3, Newcastle	Construction	-	1,750	-	-	-	-	1,750
to Concession Na. 3, Newcastle	Total	-	1,750	-	-	-	-	1,750
Double of the formation of the control of the contr	Pre-Construction	-	-	-	-	100	-	100
Replacement of watermain on Amos St. from Toronto St. to Highway 401, Newcastle	Construction	-	-	-	-	210	-	210
to Highway 401, Newcastie	Total	-	-	-	-	310	-	310
Deal and the first transit of First Asset from Deal Ch	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on First Ave. from Brock St. to Dominion St., Uxbridge	Construction	-	280	-	-	-	-	280
to Dominion St., Oxbridge	Total	-	280	-	-	-	-	280
Consistent Del francista Chia COO es escuela esta	Pre-Construction	-	-	-	-	-	-	-
Cemetery Rd. from Toronto St to 600 m northerly - required to loop the watermain and system security	Construction	-	180	-	-	-	-	180
required to loop the watermain and system security	Total	-	180	-	-	-	-	180
D	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on Caleb St. from Clarke St. to Queen St., Port Perry	Construction	-	350	-	-	-	-	350
to Queen St., Fort Ferry	Total	-	350	-	-	-	-	350
Replacement of watermain on Bigelow St. from 140 m	Pre-Construction	-	-	-	-	-	-	-
Replacement of watermain on Bigelow St. from 140 m north of Kellett St. to Kellett St., Kellett St. from Bigelow St. to Simcoe St., Beech St from Simcoe St. to 60 m east of Kent St., and Kent St. from Beech St. to 100 m north of Beech St., Port Perry	Construction	440	-	-	-	-	-	-
	Total	440	-	-	-	-	-	-

■ Durham ≅			Forecast						
Budget 20	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
David	Pre-Construction	-	-	-	-	-	-	-	
Replacement of watermain on Rosa St. from Paxton St. to dead-end, Port Perry	Construction	-	-	1,250	-	-	-	1,250	
to dead-end, i of then y	Total	-	-	1,250	-	-	-	1,250	
Replacement of watermain on Ottawa St. from Queen	Pre-Construction	-	-	-	150	-	-	150	
O5 Replacement of watermain on Ottawa St. from Queen St. to MacDonald St., Port Perry	Construction	-	-	-	730	-	-	730	
St. to MacDonald St., 1 Str 1 erry	Total	-	-	-	880	-	-	880	
Device and of watermaning on Day Ct. from Old Circus	Pre-Construction	-	-	-	-	-	-	-	
Replacement of watermain on Bay St. from Old Simcoe St. to Bigelow St., Port Perry	Construction	-	-	960	-	-	-	960	
on to Digotom on, i ordinary	Total	-	-	960	-	-	-	960	
Replacement of watermain on Kent St. from 85 m north of Beech St. to Lakeshore Rd., Port Perry	Pre-Construction	-	-	100	-	-	-	100	
	Construction	-	-	-	-	600	-	600	
	Total	-	-	100	-	600	-	700	
David	Pre-Construction	-	-	-	-	-	75	75	
Replacement of watermain on Perry St. from North St. to Paxton St., Port Perry	Construction	-	-	-	-	-	180	180	
r axion di., r dit r eny	Total	-	-	-	-	-	255	255	
Deel consist of endown in a large Ot from the Ot t	Pre-Construction	-	-	-	-	-	-	-	
Replacement of watermain on Jane St. from Ida St. to 220 m north of Ida St., Sunderland	Construction	775	-	-	-	-	-	-	
220 III Hortii Or Ida St., Sundenand	Total	775	-	-	-	-	-	-	
Bull and fortunation Made Of for Bird Of	Pre-Construction	-	-	-	-	-	-	-	
Replacement of watermain on Maple St. from River St. to dead-end, Sunderland	Construction	146	-	-	-	-	-	-	
to dead-end, Sundenand	Total	146	-	-	-	-	-	-	
Replacement of watermain on Cameron St. from 215 m	Pre-Construction	-	-	-	-	-	-	-	
111 east of McRae St. to 750 m west of R.R. 2 Simcoe St., Cannington	Construction	-	1,650	-	-	-	-	1,650	
	Total	-	1,650	-	-	-	-	1,650	
D. I	Pre-Construction	-	-	-	-	-	100	100	
Replacement of watermain on Laidlaw St. from Cameron St. to Park St., Cannington	Construction	-	-	-	-	-	450	450	
	Total	-	-	-	-	-	550	550	

Durham 🔀			Forecast							
Budget 8	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
Delegan to food one in a Contract of the Man Di-	Pre-Construction	50	-	-	-	-	-	-		
Replacement of watermain on Centre St. from Mara Rd. to James St., Beaverton	Construction	-	-	650	-	-	-	650		
to James St., Deaverton	Total	50	-	650	-	-	-	650		
Deple compart of watermarin on Cinness Ct. from	Pre-Construction	-	-	-	-	-	-	-		
Replacement of watermain on Simcoe St. from Canadian National Railway to John St., Beaverton	Construction	-	1,340	-	-	-	-	1,340		
Canadian National Natiway to John Gt., Deaverton	Total	-	1,340	-	-	-	-	1,340		
Replacement of watermain on Simcoe St. from	Pre-Construction	-	-	-	-	-	-	-		
15 Beaverton Water Supply Plant to 60 m west of Canadian	Construction	-	-	1,340	-	-	-	1,340		
National Railway, Beaverton	Total	-	-	1,340	-	-	-	1,340		
Replacement of watermain on James St. from Main St. to Centre St./Highland Crt., Beaverton	Pre-Construction	-	-	-	-	-	-	-		
	Construction	-	580	-	-	-	-	580		
	Total	-	580	-	-	-	-	580		
D 1	Pre-Construction	-	-	-	200	-	-	200		
Replacement of watermain on King St. from Mara Rd. to dead-end, Beaverton	Construction	-	-	-	1,100	-	-	1,100		
dodd ond, bodyonon	Total	-	-	-	1,300	-	-	1,300		
Allaurana farranta amanta functama in cariarra	Pre-Construction	-	-	-	-	-	-	-		
Allowance for replacement of watermains in various locations	Construction	-	-	-	-	-	18,966	18,966		
iocations	Total	-	-	-	-	-	18,966	18,966		
Allowers of for the explication of food owns in a function of	Pre-Construction	-	-	-	-	-	-	-		
Allowance for the evaluation of feedermains/watermains at creek crossings	Construction	75	75	75	75	75	-	300		
at Greek Glossings	Total	75	75	75	75	75	-	300		
Allowers for construction of comics in	Pre-Construction	-	-	-	-	-	-	-		
Allowance for construction of services in unserviced	Construction	-	200	200	200	200	1,000	1,800		
areas in response to requests or petitions	Total	-	200	200	200	200	1,000	1,800		
Zana Afradamasin an Bash Ot from Tay Assa to	Pre-Construction	-	-	1,500	-	-	-	1,500		
Zone 1 feedermain on Bayly St. from Toy Ave. to Pickering Beach Rd., Pickering/Ajax –	Construction	-	-	-	-	20,400	-	20,400		
	Total	-	-	1,500	-	20,400	-	21,900		

Durham					Foreca	Forecast			
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
	Pre-Construction	-	-	-	-	-	-	-	
Zone 2 feedermain on Taunton Rd. from Westney Rd. to	Construction	-	3,000	-	-	-	-	3,000	
200 m west of Harwood Ave., Ajax	Total	-	3,000	-	-	-	-	3,000	
Zone 2 feedermain on William Jackson Dr. & Taunton	Pre-Construction	-	-	-	-	-	-	-	
Rd. from Earl Grey Ave. to Ravenscroft Rd., Pickering/	Construction	7,900	-	-	-	-	-	-	
Ajax	Total	7,900	-	-	-	-	-	-	
7 Ofdin Observab Ob forms a south side of the	Pre-Construction	800	-	-	-	-	-	-	
Zone 2 feedermain on Church St. from south side of the hydro right of way to Taunton Rd., Ajax	Construction	3,400	-	-	-	-	-	-	
Tryuro right of way to Tauriton Ru., Ajax	Total	4,200	-	-	-	-	-	-	
Watermain on Hunt St. from Westney Rd. to Harwood Ave., Ajax	Pre-Construction	-	-	-	-	-	-	-	
	Construction	-	-	1,600	-	-	-	1,600	
	Total	-	-	1,600	-	-	-	1,600	
Zara A fa a dama aire fuara Milaitha Matar Connala Diant ta	Pre-Construction	-	-	-	-	-	-	-	
Zone 1 feedermain from Whitby Water Supply Plant to Thornton Rd., Whitby/Oshawa	Construction	-	9,000	7,000	7,000	-	-	23,000	
momon ra., willby/Oshawa	Total	-	9,000	7,000	7,000	-	-	23,000	
Zana 4 fa adamasin an Manuir n Dd franc Andana n Ch ta	Pre-Construction	-	-	-	-	-	-	-	
Zone 1 feedermain on Manning Rd. from Anderson St. to Hydro corridor., Whitby	Construction	-	1,840	-	-	-	-	1,840	
Trydro corridor., writiby	Total	-	1,840	-	-	-	-	1,840	
7 4 \\\\	Pre-Construction	-	-	-	-	600	650	1,250	
Zone 1 West Whitby feedermain on Brock St./Victoria St. to Rossland Rd., Whitby	Construction	-	-	-	-	-	-	-	
to Nossianu Na., Williby	Total	-	-	-	-	600	650	1,250	
Zana 2 fandamania an Camand Dd. fram would af the Mid	Pre-Construction	-	-	-	-	-	-	-	
Zone 3 feedermain on Garrard Rd. from north of the Mid- Block Arterial to Winchester Rd., Whitby (East Loop)	Construction	-	6,400		-	-		6,400	
Block Alterial to Willonester Ita., Williby (East Loop)	Total	-	6,400	-	-	-	-	6,400	
Zana 2 faadammain on Winshastan Dd. fuur. Ossikat Dkal	Pre-Construction	-	-	-	-	-	-	-	
Zone 3 feedermain on Winchester Rd. from Cachet Blvd.	Construction	-	1,100	-	-	-	-	1,100	
to Garrard Rd., Whitby (East Loop)	Total	-	1,100	-	-	-	-	1,100	

Same 3 feedermain on Conlin Rd. from Anderson St. to Thickson Rd., Whitby (Region's share only) Pre-Construction			st	Forecas			0000 Burney	E	Durham
Total Tota	orecast Total	2028-2032	2027	2026	2025	2024	2023 Proposed Budget	Expenditure Category	
Thickson Rd., Whitby (Region's share only) Total 1,000 - - - - - - - - -	-	-	-	-	-	-	-	Pre-Construction	Zona 2 facedormasin on Conlin Dd from Anderson Ct to
Total 1,000 - - - - - - - - -	-	-	-	-	-	-	1,000	Construction	
132 Creek to Ashburn Rd., Whitby (West Loop) (Region's share only) Total 5,600 - - - - - - - - -	-	-	-	-	-	-	1,000	Total	Thiorsoft rad., William (ragion's share only)
Share only Total 5,600 - - - - - - - - -	-	-	-	-	-	-	-	Pre-Construction	Zone 3 feedermain on Mid-Block Arterial from Lynde
Zone 3 feedermain on Ashburn Rd. from Amanda Ave. Pre-Construction - - - - - - - - -	-	-	-	-	-	-	5,600	Construction	share only)
133 to Columbus Rd., Whitby (West Loop) (Region's share only) Total Zone 3 feedermain on Columbus Rd. from Ashburn Rd. Pre-Construction Total Construction Pre-Construction Total Total Pre-Construction Total Total Pre-Construction Total Tota	-	-	-	-	-	-	5,600	Total	
only) Zone 3 feedermain on Columbus Rd. from Ashburn Rd. 134 to 360 m east of Ashburn Rd., Whitby (West Loop) (Region's share only) Total - 5,950	-	-	-	-	-	-	-	Pre-Construction	Zone 3 feedermain on Ashburn Rd. from Amanda Ave.
Zone 3 feedermain on Columbus Rd. from Ashburn Rd. 134 to 360 m east of Ashburn Rd., Whitby (West Loop) (Region's share only) Pre-Construction Total Pre-Construction Total Pre-Construction Total Pre-Construction Total	5,950	-	-	-	-	5,950	-	Construction	
134 to 360 m east of Ashburn Rd., Whitby (West Loop) (Region's share only) Construction - 1,260	5,950	-	-	-	-	5,950	-	Total	only)
(Region's share only) Total - 1,260	-	-	-	-	-	-	-	Pre-Construction	Zone 3 feedermain on Columbus Rd. from Ashburn Rd.
Pre-Construction	1,260	-	-	-	-	1,260	-	Construction	• • • • • • • • • • • • • • • • • • • •
Pre-Construction	1,260	-	-	-	-	1,260	-	Total	(Region's share only)
Zone 3 feedermain on Columbus Rd. from Ashburn Rd.	-	-	-	-	-	-	-	Pre-Construction	Zana 2 faadamaain on Calumbus Dd fram Aabbum Dd
135 to Country Lane, Whitby (West Loop) (Region's Share Construction 5,850 -	5,850	-	5,850	-	-	-	-	Construction	
only) Total 5,850 -	5,850	-	5,850	-	-	-	-	Total	• • • • • • • • • • • • • • • • • • • •
Pre-Construction	-	-	-	-	-	-	-	Pre-Construction	7 (()) (T)) D) 7 ()
Zone 4 feedermain from Thickson Rd. Zone 4 water pumping station to Zone 4 Reservoir, Whitby Construction 28,600	28,600	28,600	-	-	-	-	-	Construction	
Total 28,600	28,600	28,600	-	-	-	-	-	Total	pumping station to zone 4 Neservoir, whitby
Pre-Construction	-	-	-	-	-	-	-	Pre-Construction	7 46 1 2 8 1 816 411 816
Zone 4 feedermain on Brawley Rd. from Ashburn Rd. to Duffs Rd., Whitby Construction - 6,475	6,475	-	-	-	-	6,475	-	Construction	
Total - 6,475	6,475	-	-	-	-	6,475	-	Total	Dulis Ru., Williby
Pre-Construction - 700	700	-	-	-	-	700	-	Pre-Construction	Zone Africa Investigation Additional Deliferation Deliferation
Zone 4 feedermain on Ashburn Rd. from Brawley Rd. to Construction	8,100	8,100	-	-	-	-	-	Construction	
Total - 700 8,100	8,800	8,100	-	-	-	700	-	Total	Mid-block., Whitby
Pre-Construction - 1,500	1,500	-	-	-	-	1,500	-	Pre-Construction	7
Zone 4 feedermain on Columbus Rd. from Thickson Rd. Construction To Pitson Pd. Whithy/Oshawa To Pitson Pd. Whithy/Oshawa	17,900	-	-	17,900	-	-	-	Construction	
Total - 1,500 - 17,900	19,400	-	-	17,900	-	1,500	-	Total	to Ritson Rd., Whitby/Oshawa

■ Durham 🕿			Forecast						
Budget 20	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
With the Bit of A. C. The to Blick	Pre-Construction	750	-	-	-	-	-	-	
Watermain on Britannia Ave. from Thornton Rd. to Windfields Farm Dr., Oshawa	Construction	-	-	1,250	-	-	-	1,250	
Willulielus I altii Di., Osliawa	Total	750	-	1,250	-	-	-	1,250	
Watermain on local road from Windfields Farm Dr. to	Pre-Construction	-	-	150	-	-	-	150	
Watermain on local road from Windfields Farm Dr. to Winchester Rd., Oshawa	Construction	-	-	-	1,100	-	-	1,100	
	Total	-	-	150	1,100	-	-	1,250	
Watermain on Stevenson Rd from Taunton Rd to	Pre-Construction	-	300	-	-	-	-	300	
Watermain on Stevenson Rd. from Taunton Rd. to Conlin Rd., Oshawa	Construction	-	-	2,200	-	-	-	2,200	
	Total	-	300	2,200	-	-	-	2,500	
Watermain on Thornton Rd. from 100 m North of Conlin Rd. within the Northwood Employment Area, Oshawa	Pre-Construction	-	-	-	-	-	-	-	
	Construction	150	-	-	-	-	-	-	
	Total	150	-	-	-	-	-	-	
Watermain modifications in conjunction with the twinning	Pre-Construction	-	40	-	-	-	-	40	
of northwest branch of Harmony Creek sub-trunk	Construction	-	135	-	-	-	-	135	
sanitary sewer from 200 m south of Beatrice St. to Ritson Rd., Oshawa	Total	-	175	-	-	-	-	175	
7	Pre-Construction	-	-	-	-	-	-	-	
Zone 3 feedermain on Conlin Rd. from Garrard Rd. to Ritson Rd.,Oshawa	Construction	-	7,525	-	9,500	-	-	17,025	
Mison M.,Oshawa	Total	-	7,525	-	9,500	-	-	17,025	
	Pre-Construction	-	-	-	-	-	-	-	
Zone 3 feedermain on Conlin Rd. from Ritson Rd. to	Construction	-	-	4,000	-	-	-	4,000	
Wilson Rd., Oshawa	Total	-	-	4,000	-	-	-	4,000	
Zone 4 feedermain from Proposed Zone 4 Water	Pre-Construction	-	-	-	-	-	-	-	
Pumping Station at Harmony Reservoir to Proposed Windchester Zone 4 Reservoir, Oshawa	Construction	-	-	17,000	-	-	-	17,000	
	Total	-	-	17,000	-	-	-	17,000	

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Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Pre-Construction	-	600	-	-	-	-	600
Zone 4 feedermain on Ritson Rd. from Columbus Rd. to	Construction	-	-	-	-	-	7,200	7,200
Winchester Rd., Oshawa	Total	-	600	-	-	-	7,200	7,800
	Pre-Construction	-	600	-	-	-	-	600
Zone 4 feedermain on Winchester Rd. from Ritson Rd. to Harmony Rd., Oshawa	Construction	-	-	-	-	-	6,750	6,750
to Haillony Ru., Oshawa	Total	-	600	-	-	-	6,750	7,350
7	Pre-Construction	-	-	-	-	-	-	-
Zone 1 feedermain on Baseline Rd. from Prestonvale Rd. to Trulls Rd., Courtice	Construction	-	-	3,650	-	-	-	3,650
	Total	-	-	3,650	-	-	-	3,650
Zone 1 feedermain on Prestonvale Rd. from Baseline Rd. to 950 m north of Baseline Rd., Courtice	Pre-Construction	-	-	-	-	-	-	-
	Construction	-	-	1,850	-	-	-	1,850
	Total	-	-	1,850	-	-	-	1,850
Zone 4 for democing an executive material Territine Del 4-	Pre-Construction	-	-	-	-	-	-	-
Zone 1 feedermain on easement from Townline Rd. to Prestonvale Rd., Courtice	Construction	-	-	3,000	-	-	-	3,000
Presionvale Na., Courtice	Total	-	-	3,000	-	-	-	3,000
7 Ofd-marking as Disco Of from Tournilles Del 4-	Pre-Construction	-	-	-	-	-	-	-
Zone 2 feedermain on Bloor St. from Townline Rd. to Trulls Rd., Courtice	Construction	-	-	-	-	-	350	350
Truis Ita., Courtice	Total	-	-	-	-	-	350	350
Zere 4 feedemeeting on Levels Del freez Heaville O (King	Pre-Construction	-	-	-	-	-	-	-
Zone 1 feedermain on Lambs Rd. from Hwy No. 2 (King St.) to Zone 1 Liberty Street Reservoir, Bowmanville	Construction	17,900	27,000	-	-	-	-	27,000
St.) to Zone it Liberty Street Neservoll, Downlanville	Total	17,900	27,000	-	-	-	-	27,000
Zere 4 feedements on Deceline Del fram December 1111	Pre-Construction	-	-	-	-	-	-	-
Zone 1 feedermain on Baseline Rd. from Bowmanville	Construction	-	2,400	2,400	-	3,000	-	7,800
Ave. to Liberty St., Bowmanville	Total	-	2,400	2,400	-	3,000	-	7,800
Zona 4 fa a dama sin frama Damas ancilla West of Committee	Pre-Construction	-	500	-	500	-	-	1,000
Zone 1 feedermain from Bowmanville Water Supply Plant to Baseline Rd., Bowmanville —	Construction		-	-	-		10,600	10,600
	Total	-	500	-	500	-	10,600	11,600

Durham 🕿			Forecast						
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
Zana 4 fa adamasin an Dasalina Dd farm Libarta Ct ta	Pre-Construction	-	-	-	520	-	540	1,060	
Zone 1 feedermain on Baseline Rd. from Liberty St. to Mearns Ave., Bowmanville	Construction	-	-	-	-	-	2,500	2,500	
Means Ave., Downlanding	Total	-	-	-	520	-	3,040	3,560	
Zama 2 fandamentin an Liberty Ct. from Concession Dd. 2	Pre-Construction	1,200	-	-	-	-	-	-	
Zone 2 feedermain on Liberty St. from Concession Rd. 3 and Concession Rd. 4 to Zone 2 Reservoir, Bowmanville	Construction	-	-	-	8,300	-	-	8,300	
and concession rd. 4 to zone z reservoir, bowmanville	Total	1,200	-	-	8,300	-	-	8,300	
Zono 1 foodormain from Arthur Street reconvoir to future	Pre-Construction	-	-	-	-	-	-	-	
Zone 1 feedermain from Arthur Street reservoir to future Zone 1 water storage facility, Newcastle	Construction	-	3,200	-	-	-	-	3,200	
Zono i mator otorago raomty, rromodotto	Total	-	3,200	-	-	-	-	3,200	
Zone 1 feedermain on Highway No. 2 (King Ave.) from Rudell Rd. to 200 m west of North St., Newcastle	Pre-Construction	120	-	-	-	-	-	-	
	Construction	-	2,120	-	-	-	-	2,120	
	Total	120	2,120	-	-	-	-	2,120	
Zone 2 feedermain on Arthur St. from the Zone 2	Pre-Construction	-	-	-	-	-	-	-	
161 pumping station to existing Andrew St. pumping station,	Construction	-	4,800	-	-	-	-	4,800	
Newcastle	Total	-	4,800	-	-	-	-	4,800	
Watermain on Crady Dr. from Whitehand Cras. to North	Pre-Construction	-	-	-	-	-	-	-	
Watermain on Grady Dr. from Whitehand Cres. to North St., Newcastle	Construction	-	850	-	-	-	-	850	
ot., Newdastic	Total	-	850	-	-	-	-	850	
Watermain on Concession Rd. 5 to service the westerly	Pre-Construction	-	-	-	-	-	-	-	
163 portion of the Beaverton Avenue Employment Area A,	Construction	-	2,450	-	-	-	-	2,450	
Brock	Total	-	2,450	-	-	-	-	2,450	
	Pre-Construction	-	-	-	-	-	-	-	
64 Water Meter installation and replacement	Construction	3,000	2,814	3,100	4,000	5,000	32,500	47,414	
	Total	3,000	2,814	3,100	4,000	5,000	32,500	47,414	
Denote: Denlesses of a ship while a second	Pre-Construction	-	-	-	-	-	-	-	
Depots - Replacement of polybutylene service connections in various locations —	Construction	50	50		-	-	-	50	
	Total	50	50	-	-	-	-	50	

Durham					Foreca	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Replacement of lead service connection in various	Pre-Construction	-	-	-	-	-	-	-
locations	Construction	450	1,000	1,000	1,000	1,000	25,000	29,000
	Total	450	1,000	1,000	1,000	1,000	25,000	29,000
	Pre-Construction	-	-	-	-	-	-	-
167 Replacement of valves	Construction	400	450	450	500	600	4,400	6,400
	Total	400	450	450	500	600	4,400	6,400
	Pre-Construction	-	-	-	-	-	-	-
168 Valve Chamber Condition Assessment and inspections	Construction	450	450	450	450	-	-	1,350
	Total	450	450	450	450	-	-	1,350
	Pre-Construction	-	-	-	-	-	-	-
169 Replacement of hydrants	Construction	200	250	250	300	350	2,500	3,650
	Total	200	250	250	300	350	2,500	3,650
Linear Infrastructure Subtotal		64,491	134,883	74,439	84,315	59,235	233,521	586,393
Buildings and Structures								
	Pre-Construction	-	12,500	-	-	-	-	12,500
Expansion of the Ajax Water Supply Plant from 163.6 MLD to 327 MLD, Ajax	Construction	-	-	-	-	138,500	-	138,500
MLD to 327 MLD, Ajax	Total	-	12,500	-	-	138,500	-	151,000
	Pre-Construction	-	1,200	-	-	-	-	1,200
Proposed Ajax Zone 1 Water Storage facility - 11 ML,	Construction	-	-	_	12,700	_	_	12,700
Ajax	Total	-	1,200	-	12,700	-	-	13,900
	Pre-Construction	-	-	-	-	-	-	-
Expansion of the Whitby Water Supply Plant from 109	Construction	13,500	15,500	_	218,800	_	_	234,300
MLD to 218 MLD, Whitby	Total	13,500	15,500	-	218,800	-	-	234,300
Whithy Water Cumply Plant - Plant 1 Ungrades and	Pre-Construction	-	-	-	-	2,500		2,500
Whitby Water Supply Plant - Plant 1 Upgrades and Rehabilitation Works proposed works to include but not	Construction	_	-	-	-	_,	17,300	17,300
173 limited to building envelope improvements, filter treatment process upgrades, rehabilitation works for electrical, mechanical and process systems	Total	-	-	-	-	2,500	17,300	19,800

Durham 🕿		0000 5	Forecast							
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
Command Del. Zono d. Donomorio Estropolico france 2d MI. do	Pre-Construction	-	-	2,000	-	-	-	2,000		
Garrard Rd. Zone 1 Reservoir Expansion from 31 ML to 50 ML and Zone 2 pumping station expansion, Whitby	Construction	-	-	-	-	-	17,200	17,200		
30 IVIL and 2011e 2 pumping station expansion, willing	Total	-	-	2,000	-	-	17,200	19,200		
Compand Dd. Zono 2. Water Dumaning Station	Pre-Construction	-	-	-	-	-	-	-		
Garrard Rd. Zone 3 Water Pumping Station - upgrades, Whitby	Construction	1,740	-	-	-	-	-	-		
VVIIILDY	Total	1,740	-	-	-	-	-	-		
Thickeen Dd. Zone 2 Water Dumning Station Expension	Pre-Construction	-	-	-	-	-	-	-		
Thickson Rd. Zone 3 Water Pumping Station Expansion to 22.7 MLD, Whitby	Construction	-	11,800	-	-	-	-	11,800		
CO ZZ.7 WIED, WIIICOY	Total	-	11,800	-	-	-	-	11,800		
Droposed Zone 4 Dumping Station at the Thickeen Dd	Pre-Construction	-	-	-	-	-	-	-		
Proposed Zone 4 Pumping Station at the Thickson Rd. Reservoir, Whitby	Construction	-	-	1,000	-	-	-	1,000		
	Total	-	-	1,000	-	-	-	1,000		
Drawaged Whithy Zama 4 Charage Facility 42 MI	Pre-Construction	-	-	-	-	-	-	-		
Proposed Whitby Zone 4 Storage Facility - 13 ML, Whitby	Construction	-	-	35,600	-	-	-	35,600		
vviitby	Total	-	-	35,600	-	-	-	35,600		
Drawaged Whithy Zone 4.9 5 Dynaming Chatian at Duffe	Pre-Construction	2,300	-	-	-	-	-	-		
Proposed Whitby Zone 4 & 5 Pumping Station at Duffs Rd. Reservoir and feedermain, Whitby	Construction	-	-	-	-	12,000	-	12,000		
rta. Reservoir and reedermain, writiby	Total	2,300	-	-	-	12,000	-	12,000		
	Pre-Construction	-	-	-	-	-	-	-		
180 Oshawa Water Supply Plant - break wall modifications	Construction	-	1,120	-	-	-	-	1,120		
	Total	-	1,120	-	-	-	-	1,120		
Tourism Del Zono O Documento Francisco Come (CAR)	Pre-Construction	-	-	2,000	-	-	-	2,000		
Taunton Rd. Zone 2 Reservoir Expansion from 13 ML to	Construction	-	-	-	-	17,000	-	17,000		
27 ML, Oshawa	Total	-	-	2,000	-	17,000	-	19,000		
	Pre-Construction	-	-	2,000	-	-	-	2,000		
182 Grandview Zone 2 Pumping Station Expansion, Oshawa	Construction	-	-	-	-	8,000	-	8,000		
	Total	-	-	2,000	-	8,000	-	10,000		

Durham 🕿					Foreca	st		
Budget 202	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Tourism Dd. Zono 2 Wishon Diversion Chaties Formancies	Pre-Construction	-	1,000	-	4,000	-	-	5,000
Taunton Rd. Zone 3 Water Pumping Station Expansion from 27 ML to 75 ML, Oshawa	Construction	-	-	-	-	-	20,000	20,000
HOITI 27 IVIE to 73 IVIE, Ostiawa	Total	-	1,000	-	4,000	-	20,000	25,000
	Pre-Construction	-	600	-	1,500	-	-	2,100
184 Harmony Rd. Zone 3 Reservoir Expansion, Oshawa	Construction	-	-	-	-	-	6,000	6,000
	Total	-	600	-	1,500	-	6,000	8,100
Dranged Zone 4 Dumning Station at the Harmany Dd	Pre-Construction	-	-	-	-	-	-	-
Proposed Zone 4 Pumping Station at the Harmony Rd. Reservoir, Oshawa	Construction	-	-	8,000	-	-	-	8,000
reservoir, estiawa	Total	-	-	8,000	-	-	-	8,000
Dranged Ochowa Zone / Water Storage English 16	Pre-Construction	-	-	-	-	-	-	-
Proposed Oshawa Zone 4 Water Storage Facility - 16 ML, Oshawa	Construction	-	-	-	-	44,800	-	44,800
ME, Oshawa	Total	-	-	-	-	44,800	-	44,800
Dranged Zone F Dumning Station at Harmony Dd	Pre-Construction	1,000	-	-	-	-	-	-
Proposed Zone 5 Pumping Station at Harmony Rd. Reservoir and feedermain, Oshawa	Construction	-	-	10,200	-	-	-	10,200
1100011011 and 100001111am, Conawa	Total	1,000	-	10,200	-	-	-	10,200
Horton Water Dumning Station numning station	Pre-Construction	-	-	-	-	-	-	-
Hortop Water Pumping Station - pumping station replacement, Oshawa	Construction	-	-	10,600	-	-	-	10,600
replacement, Oshawa	Total	-	-	10,600	-	-	-	10,600
Deverse anville Water County Blant Even ancien from 26	Pre-Construction	-	-	4,000	-	-	-	4,000
Bowmanville Water Supply Plant Expansion from 36 MLD to 55 MLD	Construction	-	-	-	-	-	55,000	55,000
INIED to 00 INIED	Total	-	-	4,000	-	-	55,000	59,000
Drangood Liberty Street Zene 4 December 44 ML	Pre-Construction	-	-	-	-	-	-	-
Proposed Liberty Street Zone 1 Reservoir 11 ML and demolition of the existing elevated tank	Construction	17,200	-	-	1,500		-	1,500
demolition of the existing elevated tank —	Total	17,200	-	-	1,500	-	-	1,500
Proposed Zone 2 Pumping Station at the Zone 1 Reservoir - Bowmanville	Pre-Construction	-	-	-	-	-	-	-
	Construction	6,300	<u>-</u>		-			
	Total	6,300	-	-	-	-	-	-

Durham 🕿								
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Pre-Construction	-	600	-	1,325	-	-	1,925
192 Bowmanville Zone 2 reservoir expansion	Construction	-	-	-	-	-	7,700	7,700
	Total	-	600	-	1,325	-	7,700	9,625
	Pre-Construction	1,000	-	-	-	-	-	-
193 Newcastle Water Supply Plant - demolition of plant No.1	Construction	-	3,400	-	-	-	-	3,400
	Total	1,000	3,400	-	-	-	-	3,400
	Pre-Construction	-	-	-	-	-	-	-
194 Proposed Zone 1 Newcastle Reservoir 11 ML	Construction	-	-	16,500	-	-	-	16,500
	Total	-	-	16,500	-	-	-	16,500
	Pre-Construction	-	-	-	-	-	-	-
195 Proposed Zone 2 Newcastle Water Pumping Station	Construction	-	-	11,200	-	-	-	11,200
	Total	-	-	11,200	-	-	-	11,200
	Pre-Construction	-	-	-	500	-	1,600	2,100
196 Proposed Zone 2 Newcastle Reservoir	Construction	-	-	-	-	-	6,350	6,350
	Total	-	-	-	500	-	7,950	8,450
	Pre-Construction	-	-	-	-	-	1,500	1,500
197 Proposed Zone 1 Orono Storage Facility 1 ML	Construction	-	-	-	-	-	-	_
	Total	-	-	-	-	-	1,500	1,500
	Pre-Construction	2,000	-	-	-	-	-	-
Scugog Water Supply System - Alternative Water Supply	Construction	1,000	-	27,900	-	-	-	27,900
Source	Total	3,000	-	27,900	-	-	-	27,900
	Pre-Construction	-	-	-	-	-	-	-
Port Perry Water Storage Facility - additional capacity	Construction	-	-	16,200	-	-	-	16,200
2.8 ML and watermain	Total	-	-	16,200	-	-	-	16,200
200 Blackstock Water Supply System - upgrades to Municipal Well No. 7	Pre-Construction	-	-	-	-	-	-	-
	Construction	350	-	-	-	-	-	_
	Total	350	-	-	-	-	-	-

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DURHAM REGION BUD	get 202	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Greenbank Water	Supply System - Replacement of	Pre-Construction	1,000	-	-	-	-	-	-
201 Municipal Well 1 a	and 6 with rehabilitation work at the	Construction	-	-	-	-	-	4,000	4,000
pumphouse		Total	1,000	-	-	-	-	4,000	4,000
Llybridge Weter C	upply System Now Wall and	Pre-Construction	500	-	-	-	-	-	-
202 Pumphouse	upply System - New Well and	Construction	-	-	4,220	-	-	-	4,220
r umpnouse	- Ampriouse	Total	500	-	4,220	-	-	-	4,220
Llybridge Weter C	unali Custama Municipal Wall No. 7	Pre-Construction	500	-	1,000	-	-	-	1,000
	3 Uxbridge Water Supply System - Municipal Well No. 7 Replacement	Construction	-	-	-	-	-	5,000	5,000
Replacement		Total	500	-	1,000	-	-	5,000	6,000
F	lead Hill December from 0.0 MI As 5.0	Pre-Construction	-	1,200	-	-	-	-	1,200
	Expansion of Quaker Hill Reservoir from 2.8 ML to 5.2 ML, Uxbridge	Construction	-	-	-	-	6,800	-	6,800
WL, Oxbridge		Total	-	1,200	-	-	6,800	-	8,000
Clll \\\ - t	- Committee Constant - Management - Management	Pre-Construction	-	-	-	-	-	-	-
205 Sunderland Water	Supply System - New Well and Standby power (DC602)	Construction	-	5,000	-	-	-	-	5,000
i umphouse with s	standby power (DC002)	Total	-	5,000	-	-	-	-	5,000
Clll \\\ - t	- Committee Constant - Management - Management	Pre-Construction	-	-	-	-	-	7,000	7,000
206 Sunderland Water	Supply System - New Well and Standby power (DC603)	Construction	-	-	-	-	-	-	-
rumphouse with s	standby power (DC003)	Total	-	-	-	-	-	7,000	7,000
Sunderland Water	Supply System - Elevated Water	Pre-Construction	-	-	-	-	-	1,000	1,000
	ML) and removal of the existing	Construction	-	-	-	-	-	8,000	8,000
standpipe		Total	-	-	-	-	-	9,000	9,000
0	0 10 1 11 11 1	Pre-Construction	-	-	-	-	1,000	1,500	2,500
	Supply System - New Well and	Construction	-	-	-	-	-	6,000	6,000
Pumphouse with standby power (DC601)	Total	-	-	-	-	1,000	7,500	8,500	
Cannington Water Supply System - Additional Water Storage from 1.4 ML to 3.0 ML	Pre-Construction	-	-	-	-	1,000	1,200	2,200	
	Construction	-	-	-	-	-	8,000	8,000	
	Total	-	-	-	-	1,000	9,200	10,200	

Durham 🛱					Foreca	st		
Durham Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Pre-Construction	-	-	-	1,000	-	2,400	3,400
210 Beaverton Water Supply Plant Expansion	Construction	-	-	-	-	-	30,000	30,000
	Total	-	-	-	1,000	-	32,400	33,400
Pagyartan additional Water Storage from 2 ML to	Pre-Construction	500	-	1,000	-	-	-	1,000
Beaverton - additional Water Storage from 2 ML to 4.8 ML	Construction	-	-	-	-	8,000	-	8,000
	Total	500	-	1,000	-	8,000	-	9,000
Water Tower inspections, condition assessment and	Pre-Construction	-	100	-	-	100	300	500
rehabilitation works	Construction	-	400	-	-	400	1,200	2,000
	Total	-	500	-	-	500	1,500	2,500
Pasaryoir inspections, condition assessment and minor	Pre-Construction	-	-	-	-	-	-	-
Reservoir inspections, condition assessment and minor rehabilitation works	Construction	300	-	300	300	300	1,500	2,400
	Total	300	-	300	300	300	1,500	2,400
	Pre-Construction	-	-	-	-	-	-	-
214 Wellhead protection at Regional well sites	Construction	800	800	800	800	800	4,000	7,200
	Total	800	800	800	800	800	4,000	7,200
Water Supply Plants Asset Management Remodiation	Pre-Construction	-	-	-	-	-	8,000	8,000
Water Supply Plants - Asset Management Remediation and Rehabilitation works	Construction	-	-	-	-	-	32,500	32,500
and Northbilliani Works	Total	-	-	-	-	-	40,500	40,500
	Pre-Construction	-	-	-	-	-	-	-
216 New Concrete Floor in Sign Shed - Ajax Depot	Construction	-	58	-	-	-	-	58
	Total	-	58	-	-	-	-	58
	Pre-Construction	142	-	-	-	-	-	-
217 Replace Fire Panel and Smoke Detector - Ajax WSP	Construction	-	285	-	-	-	<u>-</u>	285
	Total	142	285	-	-	-	-	285
F 218 Roof Replacement - Ajax WSP	Pre-Construction	-	160	-	-	-	-	160
	Construction	-	-	560	-	-	-	560
	Total	-	160	560	-	-	-	720

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Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Access Ladder Repair/Replacement Project - Various	Pre-Construction	-	-	-	-	-	-	-
220 Locations	Construction	15	-	-	-	-	-	-
	Total	15	-	-	-	-	-	-
	Pre-Construction	-	-	-	-	-	-	-
221 Construction of Mezzanine in Fleet Bay 1 - Orono Depot	Construction	-	67	-	-	-	-	67
	Total	-	67	-	-	-	-	67
Thermal Glass Panels for Rollup Doors and Door	Pre-Construction	-	-	-	-	-	-	-
Operators - Orono Depot	Construction	-	66	-	-	-	-	66
	Total	-	66	-	-	-	-	66
	Pre-Construction	-	-	-	-	-	-	-
223 Replacement of Fire System - Oshawa/Whitby Depot	Construction	67	-	-	-	-	-	-
	Total	67	-	-	-	-	-	-
Panaira and Enavy Coat Float Pay Congreta Floars	Pre-Construction	-	-	-	-	-	-	-
Repairs and Epoxy Coat Fleet Bay Concrete Floors & Repairs to Floor Drains in Fleet Bays - Scugog Depot	Construction	-	69	-	-	-	-	69
Tropalls to Floor Brains in Floor Bays Coagog Bopot	Total	-	69	-	-	-	-	69
Donlars Evisting Asphalt in Various Location, Course	Pre-Construction	-	-	10	-	-	-	10
Replace Existing Asphalt in Various Location - Scugog Depot	Construction	-	-	-	123	-	-	123
рерог	Total	-	-	10	123	-	-	133
Widening of Existing Canopy Entrance - Sunderland Depot F	Pre-Construction	8	-	-	-	-	-	-
	Construction	-	42	-	-	-	-	42
	Total	8	42	-	-	-	-	42

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Durham Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Pre-Construction	-	-	-	-	-	-	-
228 Paving of Rear Yard and Site Repairs - Orono Depot	Construction	-	-	-	-	-	122	122
	Total	-	-	-	-	-	122	122
D. (D.)	Pre-Construction	27	-	-	-	-	-	-
Roof Replacement on Vehicle Storage Bays - Orono Depot	Construction	-	173	-	-	-	-	173
<i>Бе</i> рот	Total	27	173	-	-	-	-	173
	Pre-Construction	-	-	-	-	-	-	-
230 Front Entrance Automatic Gate - Oshawa WSP	Construction	-	175	-	-	-	-	175
	Total	-	175	-	-	-	-	175
	Pre-Construction	-	-	-	-	-	-	-
231 Metering Chamber Drainage - Oshawa WSP	Construction	595	-	-	-	-	-	_
	Total	595	-	-	-	-	-	-
	Pre-Construction	-	-	-	-	-	-	-
Rectification of Drainage Problem near Metering Chamber - Oshawa WSP	Construction	-	-	-	-	-	231	231
Chamber - Oshawa WSP	Total	-	-	-	-	-	231	231
	Pre-Construction	-	-	-	-	-	-	-
233 Repairs to Building Envelope - Oshawa WSP	Construction	-	135	-	-	-	-	135
	Total	-	135	-	-	-	-	135
5 . 5 . 5	Pre-Construction	-	-	-	-	-	-	-
Replace Floor Access Panels and Sleeves - Oshawa WSP	Construction	-	150	-	-	-	-	150
WSP	Total	-	150	-	-	-	-	150
	Pre-Construction	-	-	-	-	-	-	-
235 RTU's 1 2 3 4 Replacement - Oshawa WSP	Construction	-	1,094	-	-	-	-	1,094
	Total	-	1,094	-	-	-	-	1,094
236 RTU's 1 2 3 4 Replacement - Oshawa WSP	Pre-Construction	457	-	-	-	-	-	-
	Construction	-	_	-	-	-	-	-
	Total	457	-	-	-	-	-	-

Durham \mathbf{g}			Forecast					
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Pre-Construction	-	49	-	-	-	-	49
237 Water Damage on Window System - Oshawa WSP	Construction	-	-	107	-	-	-	107
	Total	-	49	107	-	-	-	156
Front Fover Congrete Well/Floor Boneir Boursenville	Pre-Construction	-	65	-	-	-	-	65
Front Foyer Concrete Wall/Floor Repair - Bowmanville WSP	Construction	-	-	-	-	-	-	-
	Total	-	65	-	-	-	-	65
	Pre-Construction	-	-	-	-	-	-	-
239 Renovation & Optimization - 101 Consumers	Construction	310	-	-	-	-	-	-
	Total	310	-	-	-	-	-	-
	Pre-Construction	1,667	-	-	-	-	-	-
240 Depot Rationalization - Ajax Depot Expansion	Construction	-	11,667	-	-	-	-	11,667
	Total	1,667	11,667	-	-	-	-	11,667
to at 11 th as of Eastern Disate New House Blocked at Well	Pre-Construction	-	-	-	-	-	-	-
Installation of Fencing - Plants North - Blackstock Well #6	Construction	-	65	-	-	-	-	65
# 0	Total	-	65	-	-	-	-	65
	Pre-Construction	-	-	-	-	-	73	73
242 20 Bay Cold Vehicle Storage - Orono Depot Expansion	Construction	-	-	-	-	-	1,192	1,192
	Total	-	-	-	-	-	1,265	1,265
0.11.10.01.01.0	Pre-Construction	-	-	-	-	-	117	117
Salt and Brine Storage Building - Orono Depot	Construction	-	-	-	-	-	1,050	1,050
Expansion	Total	-	-	-	-	-	1,167	1,167
	Pre-Construction	12,667	1,667	-	-	-	-	1,667
244 Depot Rationalization - New Oshawa/Whitby Depot	Construction	-	-	55,000	-	-	-	55,000
	Total	12,667	1,667	55,000	-	-	-	56,667
New 16 Bay Cold Vehicle Storage - Scugog Depot Expansion	Pre-Construction	-	-	-	73	-	-	73
	Construction	-	-	-	-	993	-	993
	Total	-	-	-	73	993	-	1,066

Durham 🕿			Forecast					
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
New Celt and Drive Change of Facility Course Devet	Pre-Construction	-	-	-	100	-	-	100
New Salt and Brine Storage Facility - Scugog Depot Expansion	Construction	-	-	-	-	1,067	-	1,067
Ехранзіон	Total	-	-	-	100	1,067	-	1,167
	Pre-Construction	-	-	-	93	-	-	93
247 Additional Office Space - Scugog Depot	Construction	-	-	-	-	407	-	407
	Total	-	-	-	93	407	-	500
	Pre-Construction	1,333	1,333	-	-	-	-	1,333
248 Depot Rationalization - New Sunderland Depot	Construction	-	-	14,000	-	-	-	14,000
	Total	1,333	1,333	14,000	-	-	-	15,333
D	Pre-Construction	-	-	-	-	-	-	-
Repairs and Epoxy Coat Fleet Bay Concrete Floors & Repairs to Floor Drains in Fleet Bays - Scugog Depot	Construction	16	-	-	-	-	-	-
Repairs to Floor Drains III Fleet bays - Stugog Depot	Total	16	-	-	-	-	-	-
Buildings and Structures Subtotal		67,294	72,540	224,197	242,814	243,667	257,035	1,040,253
Machinery & Equipment								
	Pre-Construction	-	-	-	-	-	-	-
250 Ajax Water Supply Plant - Chlorine line replacement	Construction	-	750	-	-	-	-	750
	Total	-	750	-	-	-	-	750
Air With One by Digital control of the	Pre-Construction	100	-	-	-	-	-	-
Ajax Water Supply Plant - pump replacement with variable frequency drive	Construction	-	500	-	-	-	-	500
variable frequency drive	Total	100	500	-	-	-	-	500
Aire Wester Complete Direct Translation for London Lands	Pre-Construction	100	-	-	-	-	-	-
Ajax Water Supply Plant - hyochlorite feed and control system upgrades	Construction	500	-	-	-	-	-	-
	Total	600	-	-	-	-	-	-
Rosebank Rd. Water Pumping Station - Station upgrades Electrical System Study, Grounding Study, Replacement of the Motor Control Centre, Diesel transfer switch and Standby power	Pre-Construction	-	-	-	-	-	600	600
	Construction	-	-	-	-	-	2,100	2,100
	Total	-	-	-	-	-	2,700	2,700

	Durham 🕿			Forecast					
	Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Chambridge Water Division Station in sunday in inches	Pre-Construction	250	-	-	-	-	-	-
254	Cherrywood Water Pumping Station upgrades - pumps and feedermain, Pickering	Construction	-	1,800	-	-	-	-	1,800
	and reedermain, r lokering	Total	250	1,800	-	-	-	-	1,800
	Cherrywood Water Pumping Station - Station upgrades	Pre-Construction	-	-	-	600	-	-	600
255	Electrical System Study, Grounding Study, Replacement of the Motor Control Centre, Diesel transfer switch and Standby power	Construction	-	-	-	-	2,100	-	2,100
200		Total	-	-	-	600	2,100	-	2,700
		Pre-Construction	-	-	-	-	-	-	-
256	Finch Ave. Elevated Water Storage Tank - Recoating	Construction	-	65	-	-	-	-	65
	5	Total	-	65	-	-	-	-	65
		Pre-Construction	-	-	-	-	-	-	-
257	Whitby Water Supply Plant - Valve Chamber upgrades	Construction	-	1,100	-	-	-	-	1,100
		Total	-	1,100	-	-	-	-	1,100
		Pre-Construction	-	-	-	-	-	-	-
	Grandview Water Pumping Station - Station upgrades	Construction	-	2,500	-	-	-	-	2,500
258	Electrical System Study, Grounding Study, Replacement of the Motor Control Centre, Diesel transfer switch, Standby power and Variable-frequency drive (VFD)	Total	-	2,500	-	-	-	-	2,500
		Pre-Construction	-	-	-	-	-	-	-
259	Thickson Rd. Water Pumping Station - replacement of	Construction	-	50	-	-	-	-	50
	the motor control centre (MCC)	Total	-	50	-	-	-	-	50
		Pre-Construction	-	-	-	-	-	-	-
260	Oshawa Water Supply Plant - Valve Chamber Upgrades	Construction	-	-	-	-	-	1,150	1,150
		Total	-	-	-	-	-	1,150	1,150
	Oshawa Water Supply Plant - Replacement/rehabilitation	Pre-Construction	300	-	-	-	-	-	-
261	of the sedimentation tanks, Header & Backwash valves,	Construction	-	-	-	<u>-</u>	-	2,900	2,900
	and piping	Total	300	-	-	-	-	2,900	2,900

Durham \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Oakawa Matar Cumuly Blant - Banka amant of the Mata	Pre-Construction	-	-	-	-	-	500	500
Oshawa Water Supply Plant - Replacement of the Motor Control Centre	Construction	-	-	-	-	-	1,000	1,000
Control Control	Total	-	-	-	-	-	1,500	1,500
Oshawa Water Supply Plant - upgrading the	Pre-Construction	-	-	-	-	-	-	-
uninterrupted power supply UPS	Construction	-	-	900	-	-	-	900
difficultive power supply of S	Total	-	-	900	-	-	-	900
Oshawa Water Supply Plant - Rehabilitation of the filters	Pre-Construction	-	-	-	1,200	-	-	1,200
264 1 to 6	Construction	-	-	-	3,000	-	8,400	11,400
1.6.0	Total	-	-	-	4,200	-	8,400	12,600
Waverly Rd. Water Pumping Station - Station upgrades	Pre-Construction	-	-	-	-	-	-	-
Electrical System Study, Grounding Study, Replacement	Construction	-	-	2,450	-	-	-	2,450
of the Motor Control Centre, Diesel transfer switch and Standby power	Total	-	-	2,450	-	-	-	2,450
T . DIW. D . O ID .	Pre-Construction	500	-	-	-	-	-	-
Taunton Rd. Water Pumping Station and Reservoir - station improvements and replacement	Construction	-	-	2,300	-	-	-	2,300
station improvements and replacement	Total	500	-	2,300	-	-	-	2,300
D	Pre-Construction	-	-	-	-	-	-	-
Bowmanville Water Supply Plant - Emergency Backwas piping and Filter bypass piping upgrades	n Construction	-	-	200	-	-	-	200
piping and rinter bypass piping upgrades	Total	-	-	200	-	-	-	200
	Pre-Construction	-	-	-	-	-	-	-
268 Bowmanville Water Supply Plant - Filter Replacement	Construction	-	-	1,000	-	-	-	1,000
	Total	-	-	1,000	-	-	-	1,000
Decree and the Zone 2 December of the day	Pre-Construction	-	-	-	-	-	-	-
Bowmanville Zone 2 Reservoir - standby power with transfer switch	Construction	-	750	-		-	-	750
TAILOIDI OWILOII	Total	-	750	-	-	-	-	750
Bowmanville Water Supply Plant - header and pump	Pre-Construction	-	-	-	-	-	-	-
270 replacement with associated piping rehabilitation/replacement	Construction	-		1,500		-	-	1,500
	Total	-	-	1,500	-	-	-	1,500

	Durham 9						ast		
	Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Boom will Water Complete Blood College	Pre-Construction	-	-	-	-	-	200	200
271	Bowmanville Water Supply Plant - Chlorine line replacement	Construction	-	-	-	-	-	1,400	1,400
	теріасеттеті	Total	-	-	-	-	-	1,600	1,600
	Newcastle Water Supply Plant - Chlorine line	Pre-Construction	-	-	-	-	-	200	200
272	replacement	Construction	-	-	-	-	-	1,400	1,400
	Topidocinicit	Total	-	-	-	-	-	1,600	1,600
	Newtonville Water Pumping Station - Station upgrades	Pre-Construction	-	-	-	-	-	600	600
273	Electrical System Study, Grounding Study, Replacement	Construction	-	-	-	-	-	2,000	2,000
210	of the Motor Control Centre, Diesel transfer switch and Standby power	Total	-	-	-	-	-	2,600	2,600
	Orono Water Supply System - upgrades Electrical	Pre-Construction	-	-	-	-	-	700	700
274	System Study Crounding Study Benjacement of the	Construction	-	-	-	-	-	2,200	2,200
214	Motor Control Centre, Diesel transfer switch, Standby power and uninterrupted power supply UPS	Total	-	-	-	-	-	2,900	2,900
	Mill St. Water Pumping Station - Station upgrades	Pre-Construction	-	600	-	-	-	-	600
275	Floatrical System Study Crounding Study Poplacement	Construction	-	-	-	-	-	2,000	2,000
213	of the Motor Control Centre, Diesel transfer switch and Standby power	Total	-	600	-	-	-	2,000	2,600
		Pre-Construction	-	-	-	-	-	-	-
276	Sunderland Standpipe Water Storage Tank - Recoating	Construction	-	-	800	-	-	-	800
		Total	-	-	800	-	-	-	800
	Beaverton Water Supply Plant - upgrades Electrical	Pre-Construction	250	-	-	-	-	-	-
	System Study, Grounding Study, Replacement of the Motor Control Centre, Diesel transfer switch, Standby power, uninterrupted power supply (UPS) and Ultraviolet disinfection system	Construction	<u>-</u>	<u>-</u>	-	-	2,600	<u>-</u>	2,600
277		Total	250	-	-	-	2,600	-	2,600

Durham 🕿		2023 Proposed		Forecast				
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Decreates Water County Diseat. Obligation Collection line	Pre-Construction	-	-	-	-	-	-	-
Beaverton Water Supply Plant - Chlorine Solution line replacement	Construction	-	-	1,000	-	-	-	1,000
теріасеттеті	Total	-	-	1,000	-	-	-	1,000
	Pre-Construction	-	-	-	-	-	2,000	2,000
279 Beaverton Water Supply Plant - Filter modifications	Construction	-	-	-	-	-	5,000	5,000
	Total	-	-	-	-	-	7,000	7,000
	Pre-Construction	-	-	-	-	-	-	-
280 Automatic Bulk Water Dispensing System - Various		-	-	-	2,000	3,700	4,100	9,800
	Total	-	-	-	2,000	3,700	4,100	9,800
Pre-Construction	-	-	-	-	-	-	-	
Emergency Generator Fuel Tank Compliance upgrades Phase 3 and Phase 4	Construction	400	-	-	-	-	-	-
	Total	400	-	-	-	-	-	-
282 Replace Uninterrupted Power Supply (UPS) Batteries - Ajax WSP		50	-	-	-	-	-	-
283 Sulphuric Acid Pump Replacement - Ajax WSP		240	-	-	-	-	-	-
284 Sump Pump Systems - Ajax WSP		123	230	-	-	-	-	230
287 Integrated Control Technology - Security Project - Various Locations		307	-	-	-	-	-	-
288 48" Round Shoring - Sunderland Depot		-	3	-	-	-	3	6
290 Pipe Locator - Sunderland Depot		-	3	-	-	-	3	6
291 Pressure Washer - Sunderland Depot		-	3	3	-	-	-	6
292 Snow Fence Replacement - Sunderland Depot		-	-	-	-	-	6	6

Durham 🕿	Francis distance	0000 Duning			Forecas	t		
Budget 8	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
293 Temporary Traffic Control Sign replacement - Sunderland Depot		-	2	2	-	2	4	10
294 Trench box replacement - Sunderland Depot		-	-	-	-	-	5	5
295 Chlorine Analyzers - Plants East		-	-	-	30	-	30	60
296 Lab/Process Equipment - Plants East		-	-	11	-	-	-	11
297 Pump / Motor / Mixer Repair / Replacement - Plants East		80	50	50	-	-	-	100
298 Regulatory Instrumentation Replacement and Maintenance - Various Locations		30	95	145	40	120	125	525
299 SCADA / Communications / UPS - Plants East		-	25	-	-	-	-	25
300 SCADA Services - Maintenance - Plants East		-	305	175	190	205	705	1,580
301 Asphalt Content Ignition Furnace - Construction		-	-	-	-	-	7	7
302 Bar Pullout Tester - Construction		4	-	-	-	-	-	-
303 Bench Oven - Construction		5	-	-	-	-	-	-
304 Concrete End Grinder - Construction		8	-	-	-	-	-	-
305 Concrete Testing Equipment - Construction		-	-	-	-	-	8	8
306 Electronic Scale - Construction		-	-	-	-	-	3	3

Durham S Expenditure	0000 D			Forecast			
Durham Budget Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
307 Gyratory Compactor/Molds/Equipment - Construction	22	-	-	-	-	-	-
308 Lab Oven - Construction	-	-	-	-	-	4	4
309 Nuclear Densometer - Construction	3	-	5	-	-	-	5
310 Survey GPS Instrument - Construction	-	10	10	10	10	52	92
311 Survey Total Station Replacement - Construction	-	-	-	-	-	39	39
312 SCADA / Electrical / Communications / UPS - Plants North	-	30	-	-	-	-	30
313 Chlorine Analyzers - Plants Central	30	30	30	30	29	60	179
314 UPS Battery Replacements and Testing - Plants Central	40	-	-	-	-	-	-
315 Motor Control Centre - Plants Central - Harwood	-	250	-	-	-	-	250
316 SCADA Spare Parts/Lab Work Area - Oshawa WSP	-	11	13	-	-	-	24
317 WSP Post Chlorinator Replacement - Oshawa WSP	25	-	-	-	-	-	-
318 Replace Weigh Scale - Various Locations	35	-	-	-	-	-	-
319 Tank Liners - Whitby WSP	30	-	-	-	-	-	-
320 Flow Meter Replacements - WSP Pumping Stations	80	-	-	-	-	-	-

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Durnalli Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
321 Install Isolation Valve - Taunton Rd. Pumping Station		50	-	-	-	-	-	-		
322 Teleloggers - Environmental Services Design		-	5	5	5	5	20	40		
323 Integrated Control Technology - Security Project - Various Locations		3	-	-	-	-	-	-		
Machinery and Equipment Subtotal		3,565	9,167	10,599	7,105	8,771	39,524	75,166		
Information Technology										
324 Replacement of wireless WAN frequency Replacement		-	3,000	-	-	-	-	3,000		
Supervisory Control and Data Acquisition (SCADA) Plant North Improvements		-	-	-	5,500	-	-	5,500		
326 Supervisory Control and Data Acquisition (SCADA) Plant South Improvements		-	5,800	-	-	-	-	5,800		
327 Supervisory Control and Data Acquisition (SCADA) Plant East Improvements		-	-	2,800	-	-	-	2,800		
Fuel Management System & Infrastructure Replacement - Various Locations		-	-	216	-	-	-	216		
329 Standard Laptop		-	2	-	-	-	-	2		
330 PLC & Computer Scada Upgrades - Ajax WSP		-	100	-	-	-	-	100		
Water SCADA - Hardware, Software and Communications - Various Locations		-	935	161	100	273	272	1,741		
GIS Hardware (Monitors, backup devices and other) - Data System Management		5	-	-	-	-	-	-		
333 Power Laptop		15	22	2	6	6	7	43		

Durham 🕿		2022 Drangard			Forecas	st	Forecast								
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total							
334 Computers & Monitors Refresh - Financial Services		149	228	175	272	225	1,004	1,904							
335 Scanner and Wide Format Black & White Printer - Construction		-	-	-	22	-	-	22							
336 SCADA Computers - Plants Central		-	10	-	-	-	-	10							
337 SCADA Workstation - Plants Central		-	20	10	-	-	-	30							
338 Power Laptop (with Monitor)		5	7	-	-	-	-	7							
339 Tablet - Environmental Services Design		-	4	3	4	4	20	35							
340 Tablet		6	-	-	-	-	-	-							
341 Standard Laptop		1	-	-	-	-	-	-							
342 Power Laptop		1	-	-	-	-	-	-							
Information Technology Subtotal		182	10,128	3,367	5,904	508	1,303	21,210							

Durham 🕿	Francis distring	2022 Draw and			Forecast			
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Vehicles								
343 1/2 Ton Pick-up Truck - Various Locations		-	134	28	28	56	84	330
344 1 Ton High Roof Van - Ajax Depot		-	42	-	-	-	-	42
345 Forklift - Various Locations		-	25	-	-	-	-	25
346 Tractor - Ajax Depot		-	100	-	-	-	-	100
347 Rubber tire roller compaction unit - Orono Depot		-	20	-	-	-	-	20
348 Asphalt Grinder Attachement (Skid Steer Loader) - Oshawa/Whitby Depot		-	-	-	8	-	-	8
349 Hybrid PHEV SUV - Oshawa/Whitby Depot		850	-	-	-	-	-	-
350 Hybrid Van - Oshawa/Whitby Depot		-	17	-	-	-	-	17
351 Sidewalk Plow/Snowblower - Oshawa/Whitby Depot		-	-	-	-	-	50	50
Snow Blower for skid steer loader - Oshawa/Whitby Depot		-	10	-	-	-	-	10
353 Street Flusher - Oshawa/Whitby Depot		-	-	-	117	-	-	117
Street Sweeper attachment for Roadside Mower/Tractor - Oshawa/Whitby Depot		-	8	-	-	-	-	8
355 Tandem Axle Truck - Oshawa/Whitby Depot		-	-	-	-	-	83	83
356 Vactor 2100 - Oshawa/Whitby Depot		395	-	-	-	-	-	-

Durham 🕿				Forecast								
Durham Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total				
357 3/4 Ton Pick Up - Scugog Depot		-	28	-	-	-	-	28				
358 Backhoe with Breaker Attachment - Sunderland Depot		-	125	-	-	-	-	125				
Vehicles Subtotal		1,245	509	28	153	56	217	963				
Furniture and Fixtures												
359 Office Furniture - Various Locations		-	8	7	1	-	-	16				
360 Parts Cabinets - Ajax Depot		-	16	-	-	-	-	16				
Heavy Duty Steel Racking for Materials Storage Building Orono Depot		-	65	-	-	-	-	65				
362 Parts Cabinets - Oshawa/Whitby Depot		-	108	-	-	-	-	108				
363 Office Chairs - Financial Services		-	1	1	1	1	4	8				
A/V Equipment and Technology Upgrades - Various Locations		10	10	10	10	10	20	60				
Furniture and Fixtures Subtotal		10	208	18	12	11	24	273				

Durham S Expe				Forec	cast		
Budget Experience Care	enditure 2023 Proposed egory Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Allowances & Other Provisions							
Regional Water Supply Master Planning Study for the Regional Official Plan Review	250	-	-	-	-	800	800
366 Emergency Planning Updating Requirements	-	100	-	-	-	-	100
Asset Condition Assessments - Reports for Vertical Assets	100	-	290	100	300	1,396	2,086
368 Asset Condition Assessment/ investigation for transmission pipes	182	67	245	221	227	1,020	1,780
369 Master planning energy management	-	200	-	-	200	200	600
370 Allowance for acquisition of easements	100	100	100	100	100	500	900
371 Allowance for engineering studies	150	150	300	150	300	1,050	1,950
372 Climate Change Strategy Allowance	-	150	-	-	-	-	150
373 Allowance for Vulnerability Assessments for Water Supply Plants	-	350	-	350	-	-	700
Allowance for CTC Source Water Protection Plan related to the Lake Ontario Collaborative	-	500	300	400	1,500	2,200	4,900
375 Preliminary engineering	100	100	100	100	100	500	900
376 Allowance for sundry extensions as per Council policy - Various	15	15	15	15	15	75	135
377 Allowance for unknown requirements	100	100	100	100	100	500	900
378 Allowance for land severance review and drawing requirements	100	100	100	100	100	500	900

Durham 🛱				Forecast								
Durham Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total				
Allowance for Regional share for works in conjunction with residential subdivision development		2,000	2,000	2,000	2,000	2,000	10,000	18,000				
Allowance for Regional share for works in conjunction with non-residential development		500	500	500	500	500	2,500	4,500				
381 Well interference works		400	400	400	400	1,000	5,000	7,200				
Allowances & Other Provisions Subtotal		3,997	4,832	4,450	4,536	6,442	26,241	46,501				
Water Supply System Subtotal		140,784	232,267	317,098	344,839	318,690	557,865	1,770,759				
Total Water Supply System		140,784	232,267	317,098	344,839	318,690	557,865	1,770,759				

^{*} Rows and columns may not add due to rounding

^{****} Appendix B includes financing of the following development charge shortfalls as follows:

	2023	2024	2025	2026	2027	2028 - 2032	Grand Total
DC Shortfall							
Residential DC Shortfall	-	23,652	56,018	152,739	67,608	86,065	386,082
Commercial DC Shortfall	-	-	-	6,000	-	-	6,000
Institutional DC Shortfall	130	186	250	898	176	418	2,058
Industrial DC Shortfall	11,327	8,636	13,802	65,173	2,998	18,365	120,301
Total DC Shortfall	11,457	32,474	70,070	224,810	70,782	104,848	514,441

^{**} Pre-construction capital financing includes expenditures for land purchases, utility relocates, preliminary studies, design, etc.

^{***} Projects with regularly recurring expenditures include allowances, machinery and equipment, information technology, vehicles and furniture and fixtures, etc. do not include separate pre-construction and contruction capital financing

Durham Budget

Durham \times						2023	Proposed Final	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Sanitary Sewer															
Linear Infrastructure															
1 R.R. 2A (Centre St). from King St. to Brock St. West, Oshawa	-	-	-	-	-	-	-	-	-	-	400	400	1,485	-	1,885
3 R.R. 16 (Ritson Rd.) from Taunton Rd. to Conlin Rd., Oshawa	-	-	-	-	-	-	-	-	-	-	225	225	200	1,450	1,875
16 City of Oshawa Road Program	-	-	-	-	-	-	-	-	-	-	570	570	-	9,900	10,470
17 Municipality of Clarington Road Program	-	-	-	-	-	-	-	-	-	-	275	275	25	2,700	3,000
18 Township of Scugog Road Program	-	-	-	-	-	-	-	-	-	-	200	200	-	675	875
19 Township of Uxbridge Road Program	-	-	-	-	-	-	-	-	-	-	225	225	-	3,060	3,285
Allowance for unknown sanitary sewerage requirements in conjunction with area municipality road programs in various locations	-	-	-	-	-	-	-	-	-	-	200	200	-	1,800	2,000
Sanitary sewerage works to rectify identified 24 system deficiencies independent of road programs in various locations	-	-	-	-	-	-	-	-	-	-	400	400	-	5,850	6,250
25 Rehabilitation of existing sanitary sewers in various locations	-	-	-	457	-	-	-	-	-	-	-	457	-	7,828	8,285
Trunk Sanitary Sewer Rehabilitation from 27 Lord Elgin Park to Kingston Rd. (Highway No. 2), Ajax	-	-	-	-	-	-	-	-	-	-	250	250	-	11,000	11,250

Durham 🖁					2023	Proposed Final	ncing				2023	Proposed		Total	
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Replacement of the trunk sanitary sewer from Harwood Ave. South and Edward St. through Lord Elgin Park to the intersection of Chadwick Dr. and Adams Dr., Ajax	-	-	-	1,600	-	-	-	-	-	-	-	1,600	1,705	-	3,305
Replacement of sanitary sewer between Birch Court and Glynn Rd., Ajax	-	-	-	-	-	-	-	-	-	-	150	150	-	500	650
Replacement of the sanitary sewer on High St. from Mary St. to Walnut St., Whitby	-	-	-	-	-	-	-	-	-	-	175	175	460	-	635
Replacement of sanitary sewer on Donovan 31 Cres. from Walton Blvd. to 30 m east of Walton Blvd., Whitby	-	-	-	-	-	-	-	-	-	-	215	215	-	430	645
Replacement of sanitary sewer on Olive Ave from Simcoe St. to Drew St., Oshawa	-	-	-	-	-	-	-	-	-	-	260	260	1,605	-	1,865
Replacement of sanitary sewer on Conant St. from Myers Rd. to Nelson St., Oshawa	-	-	-	150	-	-	-	-	-	-	-	150	-	390	540
Replacement of sanitary sewer on Simcoe St. from Metcalf St. to Quebec St., Oshawa	-	-	=	150	-	-	-	-	-	-	-	150	925	-	1,075
Replacement of sanitary sewer on Mary St. from Rossland Rd. to Robert St., Oshawa	-	-	-	2,150	-	-	-	-	-	-	-	2,150	-	-	2,150
Replacement of forcemain on Wilmot Creek 47 easement from Cobbledick Rd. to Toronto St., Newcastle	-	-	-	1,300	-	-	-	-	-	-	-	1,300	1,406	-	2,706
Replacement of sanitary sewer on First Ave. from Brock St. to Dominion St., Uxbridge	-	-	-	150	-	-	-	-	_	-	-	150	100	330	580
Evaluation of trunk sanitary sewers/gravity sewers at creek crossings	-	-	-	-	-	-	-	-	-	-	75	75	75	225	375
Sanitary Sewer on Meadow St. from Avalon St. to Manor Dr., Oshawa	-	-	-	-	-	-	-	-	-	-	100	100	-	260	360

Durham 🛱						2023	Proposed Finar	ncing				2023	Proposed	_	Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Trunk Sanitary Sewer on Kingston Rd. 57 (Highway No. 2) from east of Harwood Ave. to east of Galea Dr., Ajax	-	-	-	-	-	-	522	8,376	-	-	2,452	11,350	350	-	11,700
Thickson Rd. Sub-Trunk sanitary sewer from 59 Glengowan St. to Conlin Rd., Whitby (Region's share only)	-	-	-	-	-	-	126	2,021	-	-	591	2,738	762	-	3,500
West Brooklin Trunk Sanitary Sewer from 62 west of Cochrane St. to east of Highway No. 12, Whitby (Region's share only)	-	-	-	-	-	-	184	2,952	-	-	864	4,000	9,945	6,600	20,545
Sanitary Sewer on Thornton Rd. from Conlin 70 Rd. within the Northwood Employment Area, Oshawa	-	-	-	-	-	-	74	1,181	-	-	346	1,601	2,450	-	4,051
Twinning of northwest branch of Harmony Creek Sub-Trunk Sanitary Sewer from Central Park Blvd. N. & Hillcroft St. to Beatrice St., Oshawa	-	-	-	-	-	-	-	-	-	-	150	150	-	2,520	2,670
Courtice Trunk Sanitary Sewer - Trulls Rd. 81 from Bloor St. to future Adelaide Ave., Courtice	-	-	-	-	-	-	138	2,214	-	-	648	3,000	-	52,700	55,700
Courtice Trunk Sanitary Sewer - Adelaide 82 Ave. from Trulls Rd. to Townline Rd., Courtice	-	-	-	-	1,874	-	405	6,494	-	-	26	8,799	-	53,400	62,199
Southeast Courtice Sub-Trunk Sanitary Sewer on future mid-block road from Trulls Rd. to Courtice Rd. & Courtice Rd. from mid- block to Bloor St., Courtice	-	-	-	-	-	-	244	3,911	-	-	1,145	5,300	-	-	5,300
Linear Infrastucture Subtotal			-	5,957	1,874	-	1,693	27,149	-	-	9,942	46,615	21,493	161,618	229,726

Durham						2023	Proposed Finar	ncing				2023	Proposed	_	Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Building and Structures															
Harmony Creek Sanitary Sewage Pumping 101 Station - expansion and forcemain twinning, Oshawa	-		-	-	-	-	28	443	-	-	130	601	-	48,100	48,701
Expansion of the Conlin Rd. Sanitary 102 Sewage Pumping Station and twinning of the forcemain, Oshawa	-		-	-	-	-	115	1,845	-	-	540	2,500	2,802	70,700	76,002
106 Expansion of Courtice Water Pollution Control Plant from 68 MLD to 136 MLD	-		-	-	-	-	26	168	-	-	806	1,000	-	153,400	154,400
Newcastle Water Pollution Control Plant - Capacity Re-rating from 4 MLD to 7 MLD	-		-	-	-	-	300	1,913	-	-	1,416	3,629	19,154	-	22,783
115 Sunderland Water Pollution Control Plant - Lagoon System, Brock	-		-	-	-	-	83	527	-	-	1,390	2,000	1,000	11,000	14,000
116 River St. Sanitary Sewage Pumping Station expansion, Brock	-		-	-	-	-	50	316	-	-	834	1,200	-	4,600	5,800
117 Cannington Water Pollution Control Plant - Lagoon System, Brock	-		-	-	-	-	83	527	-	-	1,390	2,000	1,074	11,500	14,574
118 Laidlaw St. Sanitary Sewage Pumping Station expansion, Brock	-		-	-	-	-	42	264	-	-	695	1,001	-	5,200	6,201
125 Depot Rationalization - Ajax Depot Expansion	-	New	-	-	-	-	-	-	-	1,667	-	1,667	-	-	1,667
126 Building J Roof Replacement - Corbett Creek WPCP	-	Replacement	-	-	-	-	-	-	-	-	82	82	-	-	82
128 Access Ladder Repair/Replacement Project - Various Locations	-	Replacement	-	-	-	-	-	-	-	-	641	641	-	-	641
129 Replacement Fire System - Vesda - Duffin Creek WPCP	-	Replacement	623	-	-	-	-	-	-	-	177	800	-	-	800

Durham						2023	Proposed Fina	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
130 New Furniture in Office and Lab - Expansion - Environmental Lab	-	Replacement	11	-	-	-	-	-	-	-	11	22	-	-	22
Roof Replacement on Vehicle Storage Bays - Orono Depot	-	Replacement	-	-	-	-	-	-	-	-	27	27	-	-	27
Replacement of Fire System - Oshawa/Whitby Depot	-	Replacement	-	-	-	-	-	-	-	-	67	67	-	-	67
Depot Rationalization - New Oshawa/Whitby Depot	-	New	-	-	-	-	-	-	-	12,667	-	12,667	-	-	12,667
Repairs and Epoxy Coat Fleet Bay Concrete 143 Floors & Repairs to Floor Drains in Fleet Bays - Scugog Depot	-	Replacement	-	-	-	-	-	-	-	-	7	7	-	-	7
148 Widening of Existing Canopy Entrance - Sunderland Depot	-	Replacement	-	-	-	-	-	-	-	-	8	8	-	-	8
149 Install Perimeter Fence - Pumping Stations Central - Cochrane St. SPS	-	Replacement	-	-	-	-	-	-	-	-	50	50	-	-	50
150 Renovation & Optimization - 101 Consumers	-	Replacement	-	442	-	-	-	-	-	-	-	442	-	-	442
151 Access Ladder Repair/Replacement Project - Duffin Creek WPCP	-	Replacement	454	-	-	-	-	-	-	-	128	582	-	-	582
152 Depot Rationalization - New Sunderland Depot	-	New	-	-	-	-	-	-	-	1,333	-	1,333	-	-	1,333
Buildings & Structures Subtotal			1,088	442	-	-	727	6,003	-	15,667	8,399	32,325	24,030	304,500	360,856

Durham \\						2023	Proposed Fina	ncing				2023	Proposed		Total
Budget 8	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Machinery & Equipment															
Central Duffin Creek Metering Building at 153 Valleyfarm Road and Finch Avenue meter replacement, Pickering	-		-	-	-	-	-	-	-	-	100	100	-	560	660
Duffin Creek Water Pollution Control Plant - 154 Digester mixing improvements and Motor Control Centre Replacement, Pickering	-		15,830	-	-	-	-	-	-	-	5,620	21,450	19,400	23,850	64,700
Duffin Creek Water Pollution Control Plant - 156 Remedial works and improvements in various locations throughout the plant	-		22,000	-	-	-	-	-	-	-	5,500	27,500	16,500	-	44,000
Duffin Creek Water Pollution Control Plant - 157 Ammonia-based aeration control (ABAC) for Stage 1, 2 and 3	-		800	200	-	-	-	-	-	-	-	1,000	-	5,000	6,000
Michael Blvd. Sanitary Sewerage Pumping 164 Station - replacement of the Motor Control Centre (MCC) and pump, Whitby	-		-	200	-	-	-	-	-	-	-	200	400	2,000	2,600
Hanover Sanitary Sewage Pumping Station - 165 the replacement of pumps and forcemain, Whitby	-		-	100	-	-	-	-	-	-	-	100	700	-	800
Simcoe St. Sanitary Sewerage Pumping Station - Chemical Pump addition, Oshawa	-		-	-	-	-	-	-	-	-	250	250	-	575	825
Lake Simcoe Water Pollution Control Plant - 173 Diffused Air System replacement and associated system upgrades	-		-	3,750	-	-	-	-	-	-	3,300	7,050	8,150	-	15,200
Lake Simcoe Water Pollution Control Plant - Replacement of Clarifier mechanisms	-		-	100	-	-	-	-	-	-	-	100	420	-	520
Lake Simcoe Water Pollution Control Plant and associated sanitary sewerage pumping stations - PLC and SCADA system upgrades	-		-	500	-	-	-	-	-	-	-	500	600	6,000	7,100

Durham \\						2023	Proposed Final	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Emergency Generator Fuel Tank Compliance upgrades Phase 3 and 5	-		-	-	-	-	-	-	-	-	1,700	1,700	3,364	-	5,064
181 Bar Pullout Tester - Construction	1	New	-	-	-	-	-	-	-	-	4	4	-	-	4
182 Bench Oven - Construction	1	New	-	-	-	-	-	-	-	-	5	5	-	-	5
183 Concrete End Grinder - Construction	1	New	-	-	-	-	-	-	-	-	8	8	-	-	8
Gyratory Compactor/Molds/Equipment - Construction	1	New	-	-	-	-	-	-	-	-	22	22	-	-	22
188 Nuclear Densometer - Construction	1	Replacement	-	-	-	-	-	-	-	-	3	3	-	-	3
195 Chemical Pump Replacement - Various Locations	2	Replacement	-	-	-	-	-	-	-	-	18	18	-	-	18
199 Grit Blower Rebuild - Courtice WPCP	1	Replacement	-	-	-	-	-	-	-	-	10	10	-	-	10
Analytical Balance Bench Scale - Duffin Creek WPCP	1	New	12	-	-	-	-	-	-	-	3	15	-	-	15
204 Auto Sampler Replacement - Duffin Creek WPCP	1	Replacement	20	-	-	-	-	-	-	-	5	25	-	-	25
206 BAS Server Replacement - Duffin Creek WPCP	1	Replacement	58	-	-	-	-	-	-	-	17	75	-	-	75
211 Chain and Flyght Replacement - Stage 3 Secondary Clarifier - Duffin Creek WPCP	1	Replacement	81	-	-	-	-	-	-	-	19	100	-	-	100
215 Dock Leveler Replacement - Duffin Creek WPCP	1	Replacement	23	-	-	-	-	-	-	-	7	30	-	-	30

Durham						2023	Proposed Fina	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
217 DR3900 Spectrophotometer - Duffin Creek WPCP	1	New	12	-	-	-	-	-	-	-	3	15	-	-	15
224 Integrated Control Technology - Security Project - Various Locations	6	New	-	-	-	-	-	-	-	-	311	311	-	-	311
230 Polymer Building PRAP Network Upgrades - Duffin Creek WPCP	1	Replacement	31	-	-	-	-	-	-	-	9	40	-	-	40
Secondary Clarifier (Circular) Gearbox - Duffin Creek WPCP	2	Replacement	195	-	-	-	-	-	-	-	45	240	-	-	240
263 Biochemical Oxygen Demand (BOD) Incubators - Environmental Lab	2	Replacement	20	-	-	-	-	-	-	-	20	40	-	-	40
264 Biological Oxygen Demand Analyzer - Environmental Lab	1	Replacement	6	-	-	-	-	-	-	-	5	11	-	-	11
267 Centrifuge (Inorganics) - Environmental Lab	1	Replacement	6	-	-	-	-	-	-	-	6	12	-	-	12
269 Digestion Block with Controllers - Environmental Lab	4	Replacement	40	-	-	-	-	-	-	-	40	80	-	-	80
270 Dishwasher - Environmental Lab	1	Replacement	5	-	-	-	-	-	-	-	5	10	-	-	10
274 Gas Chromatograph / Mass Spectrometer / MS (Extractables) - Environmental Lab	1	Replacement	-	300	-	-	-	-	-	-	-	300	-	-	300
282 Microscope - Environmental Lab	1	Replacement	-	75	-	-	-	-	-	-	-	75	-	-	75
290 Solids Manifold - Environmental Lab	2	Replacement	10	-	-	-	-	-	-	-	10	20	-	-	20
295 Water Purification System - Environmental Lab	1	Replacement	13	-	-	-	-	-	-	-	12	25	-	-	25

Durham 🛱						2023	Proposed Final	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
298 RAS Piping - Nonquon WPCP	1	New	-	-	-	-	-	-	-	-	95	95	-	-	95
302 Backflow Preventer Device Replacement - Port Darlington WPCP	1	Replacement	-	-	-	-	-	-	-	-	29	29	-	-	29
309 Sodium Bisulfite HVAC - Port Darlington WPCP	1	Replacement	-	-	-	-	-	-	-	-	135	135	-	-	135
318 Install AC for Blower Room - Uxbridge Brook WPCP	1	New	-	-	-	-	-	-	-	-	50	50	-	-	50
321 Electrical Equipment Replacements - WPCP Pumping Stations	1	Replacement	-	-	-	-	-	-	-	-	50	50	-	-	50
324 Integrated Control Technology - Security Project - Duffin Creek WPCP	1	New	19	-	-	-	-	-	-	-	6	25	-	-	25
Machinery & Equipment Subtotal			39,181	5,225	-	-	-	-	-	-	17,422	61,829	49,534	37,985	149,347
Information Technology Infrastructure															
SCADA System Master Plan for the sanitary 325 sewage pumping stations and implementation requirements	-		-	-	-	-	8	136	-	-	356	500	-	2,800	3,300
326 Standard Laptop	2	New	-	-	-	-	-	-	-	-	1	1	-	-	1
327 Power Laptop	12	New	-	-	-	-	-	-	-	-	13	13	-	-	13
330 GIS Hardware (Monitors, Backup Devices and Other) - Data System Management	1	Replacement	-	-	-	-	-	-	-	-	5	5	-	-	5
331 Tablet	1	New	-	-	-	-	-	-	-	-	2	2	-	-	2
331 Tablet	1	Replacement	-	-	-	-	-	-	-	-	4	4	-	-	4

Durham \aleph						2023	Proposed Fina	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
333 SCADA Programming Software Upgrade (ifix) - Duffin Creek WPCP	1	Replacement	39	-	-	-	-	-	-	-	11	50	-	-	50
334 SCADA Workstations (Desktops) - Duffin Creek WPCP	1	New	8	-	-	-	-	-	-	-	2	10	-	-	10
335 Barcode Printers - Environmental Lab	4	Replacement	4	-	-	-	-	-	-	-	4	8	-	-	8
337 LIMS Computer System - Environmental Lab	1	Replacement	-	100	-	-	-	-	-	-	-	100	-	-	100
Power Laptop (with Monitor) - Various Locations	3	New	-	-	-	-	-	-	-	-	5	5	-	-	5
341 Computers & Monitors Refresh - Financial Services	1	Replacement	-	-	-	-	-	-	-	-	265	265	-	-	265
Information Technology Infrastructure Subtotal			51	100	-	-	8	136	-	-	668	963		2,800	3,763
Vehicles															
357 Vactor 2100 - Oshawa/Whitby Depot	1	New	-	-	-	-	-	-	-	-	395	395	-	-	395
Vehicles Subtotal			-	-	-	-	-	-	-	-	395	395			395
Furniture & Fixtures															
360 A/V Equipment and Technology Upgrades - Various Locations	1	New	-	-	-	-	-	-	-	-	10	10	-	-	10
Furniture & Fixtures Subtotal			-	-	-	-	-	-	-	-	10	10			10

■ Durham						2023	Proposed Final	ncing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
Allowances & Other Provisions															
Regional Sewage Master Planning Study for the Regional Official Plan Review	-		-	-	-	-	27	443	-	-	130	600	800	800	2,200
367 Biosolids Master Plan	-		-	-	-	-	23	369	-	-	108	500	-	500	1,000
368 York Durham Sanitary Sewerage Master Plan	-		369	-	-	-	-	-	-	-	131	500	-	500	1,000
371 Asset Condition Assessments - Reports for the Vertical Assets	-		-	300	-	-	-	-	-	-	-	300	1,503	2,400	4,203
375 Allowance for acquisition of easements	-		-	-	-	-	-	-	-	-	100	100	-	900	1,000
376 Allowance for engineering studies	-		-	-	-	-	-	-	-	-	150	150	-	1,350	1,500
378 Preliminary engineering	-		-	-	-	-	-	-	-	-	100	100	-	900	1,000
379 Allowance for sundry extensions as per Council policy	-		-	-	-	-	-	-	-	-	15	15	-	135	150
380 Allowance for unknown requirements	-		-	-	-	-	-	-	-	-	100	100	-	900	1,000
381 Allowance for land severance review and drawing requirements	-		-	-	-	-	-	-	-	-	100	100	-	900	1,000
Allowance for Regional share for works in 382 conjunction with residential subdivision development	-		-	-	-	-	92	1,476	-	-	432	2,000	-	18,000	20,000

Durham S						2023	Proposed Finar	cing				2023	Proposed		Total
Durham Budget	Quantity	New / Replacement	Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	User Rate	Proposed Budget	Funding Prior to 2023	Forecast 2024-2032	Project to 2032
383 Allowance for Regional share for works in conjunction with non-residential development	-		-	-	-	-	23	369	-	-	108	500	-	4,500	5,000
384 Allowance for intensification	-		-	-	-	-	16	258	-	-	76	350	-	3,150	3,500
Allowances & Other Provisions Subtotal			369	300	-	-	181	2,915	-	-	1,550	5,315	2,303	34,935	42,553
Sanitary Sewer System Subtotal			40,691	12,024	1,874	-	2,609	36,203	-	15,667	38,384	147,452	97,360	541,838	786,650
Total Sanitary Sewerage System			40,691	12,024	1,874	-	2,609	36,203	-	15,667	38,384	147,452	97,360	541,838	786,650

^{*} Rows and columns may not add due to rounding

Other

Recovery From York __40,691 Total Other Financing 40,691

*** Appendix C includes Reserve financing as follows:

2023
11,107
442
-
475
-
12,024

^{****} Appendix C includes financing of the following development charge shortfalls as follows:

	2023
DC Shortfall	
Residential DC Shortfall	0
Commercial DC Shortfall	0
Institutional DC Shortfall	169
Industrial DC Shortfall	10,215
Total DC Shortfall	10,384

Shortfall Funding Source

Rate Stabilization Reserve Fund_Sewer Debenture - DC Funded User Rate 10,384 Total Funding 10,384

^{**} Appendix C includes Other financing from York Recovery as follows:

Durham 🕿					Foreca	ıst		
Durham Budget 820	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Sanitary Sewerage System								
Linear Infrastructure								
D.D. 24 (Centre St) from Ving St to Breek St West	Pre-Construction	-	-	-	-	-	-	-
1 R.R. 2A (Centre St). from King St. to Brock St. West, Oshawa	Construction	400	-	-	-	-	-	-
	Total	400	-	-	-	-	-	-
2 R.R. 14 (Liberty St.) from Baseline Rd. to King St.,	Pre-Construction	-	-	-	-	-	-	-
2 Bowmanville	Construction	-	-	-	-	6,400	-	6,400
	Total	-	-	-	-	6,400	-	6,400
R.R. 16 (Ritson Rd.) from Taunton Rd. to Conlin Rd.,	Pre-Construction	225	-	-	-	-	-	-
Oshawa	Construction	-	-	1,450	-	-	-	1,450
	Total	225	-	1,450	-	-	-	1,450
P. P. 22 (Rayly St.) from Wastney Pd. to Harwood Ave	Pre-Construction	-	-	-	-	-	-	-
4 R.R. 22 (Bayly St.) from Westney Rd. to Harwood Ave., Ajax	Construction	-	-	-	-	2,300	-	2,300
	Total	-	-	-	-	2,300	-	2,300
R.R. 36 (Hopkins St.) from Consumers Dr. to Dundas	Pre-Construction	-	220	-	-	-	-	220
5 St., Whitby	Construction	-	-	-	-	-	1,450	1,450
	Total	-	220	-	-	-	1,450	1,670
P. D. 27 (Einch Ava.) from Altona Pd. to Prock Pd.	Pre-Construction	-	-	-	70	-	-	70
R.R. 37 (Finch Ave.) from Altona Rd. to Brock Rd., Pickering	Construction	-	-	-	-	-	120	120
	Total	-	-	-	70	-	120	190
D.D. 50 (Thornton Dd.) from King St. to Steller Dr	Pre-Construction	-	-	-	-	-	-	-
7 R.R. 52 (Thornton Rd.) from King St. to Stellar Dr., Oshawa	Construction	-	-	170	-	-	-	170
	Total	-	-	170	-	-	-	170

■ Durham ©			Forecast					
Durham Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Pre-Construction	-	-	-	-	-	-	-
8 R.R. 53 (Stevenson Rd.) from Highway 401 to Bond St.,	Construction	-	-	870	-	-	-	870
Oshawa	Total	-	-	870	-	-	-	870
9 R.R. 57 (Bowmanville Ave.) from Stevens Rd. to Nash Rd., Bowmanville	Pre-Construction	-	150	-	-	-	-	150
	Construction	-	-	-	-	-	1,100	1,100
	Total	-	150	-	-	-	1,100	1,250
D.D. 50 (Cibb St.) from Stovenson Dd. to Simon St	Pre-Construction	-	-	-	-	-	-	-
R.R. 59 (Gibb St.) from Stevenson Rd. to Simcoe St., Oshawa	Construction	-	-	-	-	450	-	450
Oshawa	Total	-	-	-	-	450	-	450
D.D. 50 (Cibb St.)/Olivo Avo. Extension from Drow St. t.	Pre-Construction	-	-	-	-	-	-	-
R.R. 59 (Gibb St.)/Olive Ave. Extension from Drew St. to Ritson Rd., Oshawa	Construction	-	-	-	570	-	-	570
Titlesii Itali, Oonaha	Total	-	-	-	570	-	-	570
Allowance for sanitary sewers in conjunction with the	Pre-Construction	-	-	-	-	-	-	-
Regional Road Program	Construction	-	-	-	300	-	8,600	8,900
- Togional Model Fogiani	Total	-	-	-	300	-	8,600	8,900
	Pre-Construction	-	35	35	35	35	175	315
13 City of Pickering Road Program	Construction	-	200	200	200	200	1,000	1,800
	Total	-	235	235	235	235	1,175	2,115
	Pre-Construction	-	65	65	65	65	325	585
14 Town of Ajax Road Program	Construction	-	300	300	300	300	1,500	2,700
	Total	-	365	365	365	365	1,825	3,285
	Pre-Construction	-	100	100	100	100	500	900
15 Town of Whitby Road Program	Construction	-	500	500	500	500	2,500	4,500
<u> </u>	Total	-	600	600	600	600	3,000	5,400

Durham 🕿			Forecast					
Durham Budget 820	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Pre-Construction	170	200	200	200	200	1,000	1,800
16 City of Oshawa Road Program	Construction	400	900	900	900	900	4,500	8,100
	Total	570	1,100	1,100	1,100	1,100	5,500	9,900
	Pre-Construction	75	75	75	75	75	375	675
17 Municipality of Clarington Road Program	Construction	200	225	225	225	225	1,125	2,025
	Total	275	300	300	300	300	1,500	2,700
	Pre-Construction	50	10	10	10	10	50	90
18 Township of Scugog Road Program	Construction	150	65	65	65	65	325	585
	Total	200	75	75	75	75	375	675
	Pre-Construction	75	50	50	50	50	250	450
19 Township of Uxbridge Road Program	Construction	150	290	290	290	290	1,450	2,610
	Total	225	340	340	340	340	1,700	3,060
	Pre-Construction	-	30	30	30	30	150	270
20 Township of Brock Road Program	Construction	-	90	90	90	90	450	810
	Total	-	120	120	120	120	600	1,080
Allowance for unknown sanitary sewerage requirements	Pre-Construction	200	200	200	200	200	1,000	1,800
21 in conjunction with area municipality road programs in	Construction	-	-	-	-	-	-	-
various locations	Total	200	200	200	200	200	1,000	1,800
Sanitary Sewer replacement in conjunction with the	Pre-Construction	-	-	-	-	-	-	-
22 Metrolinx Toronto East Rail Corridor expansion to	Construction	-	3,100	-	-	-	-	3,100
Bowmanville	Total	-	3,100	-	-	-	-	3,100
Allawanaa farraanitam, aayyana in aaniynatian yith tha	Pre-Construction	-	-	-	-	-	-	-
Allowance for sanitary sewers in conjunction with the MTO & GO Transit projects	Construction	-	100	100	100	100	500	900
m. o a do manda projecto	Total	-	100	100	100	100	500	900
Sanitary sewerage works to rectify identified system 24 deficiencies independent of road programs in various locations	Pre-Construction	-	-	-	-	-	-	-
	Construction	400	650	650	650	650	3,250	5,850
	Total	400	650	650	650	650	3,250	5,850

Durham 9					Foreca	st		
Durham Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Debabilitation of eviation conitant accuracy in various	Pre-Construction	-	-	-	-	-	-	-
Rehabilitation of existing sanitary sewers in various locations	Construction	457	490	338	1,000	1,000	5,000	7,828
1000110113	Total	457	490	338	1,000	1,000	5,000	7,828
Durham York Primary Trunk Sanitary Sewer System -	Pre-Construction	-	-	3,000	-	-	17,375	20,375
Condition Assessment and Rehabilitation requirements	Construction	-	-	-	-	-	52,125	52,125
(CCTV inspection, minor repair and rehabilitation works to be completed on Chamber 4 to 7)	Total	-	-	3,000	-	-	69,500	72,500
T 10 " 0 D11" " 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pre-Construction	250	-	-	-	-	-	-
27 Trunk Sanitary Sewer Rehabilitation from Lord Elgin Park to Kingston Rd. (Highway No. 2),Ajax	Construction	-	1,000	-	5,000	5,000	-	11,000
Fair to Kingston Ru. (Highway No. 2), Ajax	Total	250	1,000	-	5,000	5,000	-	11,000
Replacement of the trunk sanitary sewer from Harwood	Pre-Construction	-	-	-	-	-	-	-
28 Ave. south and Edward St. through Lord Elgin Park to	Construction	1,600	-	-	-	-	-	-
the intersection of Chadwick Dr. and Adams Dr., Ajax	Total	1,600	-	-	-	-	-	-
Deplement of conitary cower between Birch Court and	Pre-Construction	150	-	-	-	-	-	-
Replacement of sanitary sewer between Birch Court and Glynn Road, Ajax	Construction	-	500	-	-	-	-	500
Ciyiii Nodd, Agax	Total	150	500	-	-	-	-	500
Deplement of the conitary cower on High Ct. from	Pre-Construction	-	-	-	-	-	-	-
Replacement of the sanitary sewer on High St. from Mary St. to Walnut St., Whitby	Construction	175	-	-	-	-	-	-
mary on to vvaniar on, vvinios	Total	175	-	-	-	-	-	-
Poplacement of conitary cower on Denovan Cros. from	Pre-Construction	215	-	-	-	-	-	-
Replacement of sanitary sewer on Donovan Cres. from Walton Blvd. to 30 m east of Walton Blvd., Whitby	Construction	-	430	-	-	-	-	430
Traile. Diva. to oo iii odot oi traileii Diva., Williby	Total	215	430	-	-	-	-	430
Replacement of sanitary sewer on Water St. from the	Pre-Construction	-	-	-	-	-	-	-
32 Whitby Water Supply Plant to Breakwater Sanitary	Construction	-	920	-	-	-	-	920
Sewage Pumping Station, Whitby	Total	-	920	-	-	-	-	920

Durham 🕿					Foreca	st				
Budget 820	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
Danis and of anitam and till and Da fram	Pre-Construction	-	-	-	-	150	-	150		
Replacement of sanitary sewer on Hillcrest Dr. from Beech St. W/L to Beech St. E/L, Whitby	Construction	-	-	-	-	840	-	840		
beech of which beech of E/E, whitby	Total	-	-	-	-	990	-	990		
Penlacement of agritany accuration Athal St. from St.	Pre-Construction	-	130	-	-	-	-	130		
Replacement of sanitary sewer on Athol St. from St. Lawrence St. to Clemence St., Whitby	Construction	-	-	-	300	-	-	300		
	Total	-	130	-	300	-	-	430		
Danier and of conitant course of Ct. Laurence Ct.	Pre-Construction	-	100	-	-	-	-	100		
Replacement of sanitary sewer on St. Lawrence St. from Brock St. to Athol St., Whitby	Construction	-	-	-	120	-	-	120		
Brock St. to Athor St., Whitby	Total	-	100	-	120	-	-	220		
Darland Art Control of	Pre-Construction	-	220	-	-	-	-	220		
Replacement of sanitary sewer on Cochrane St. from Ferguson St. to 125 m north of Beech St. W., Whitby	Construction	-	-	1,120	-	-	-	1,120		
	Total	-	220	1,120	-	-	-	1,340		
D D 00 (D)	Pre-Construction	-	-	-	-	-	-	-		
Replacement of sanitary sewer on R.R. 22 (Bloor St.) from Wilson Rd. to Holland St., Oshawa	Construction	-	330	-	-	-	-	330		
Hotti Wilson Ru. to Holland St., Oshawa	Total	-	330	-	-	-	-	330		
D 1 (1)	Pre-Construction	-	-	-	-	-	-	-		
Replacement of sanitary sewer on Olive Ave from Simcoe St. to Drew St., Oshawa	Construction	260	-	-	-	-	-	-		
Sillicoe St. to Diew St., Osliawa	Total	260	-	-	-	-	-	-		
	Pre-Construction	-	-	-	-	-	100	100		
Replacement of sanitary sewer on RR 22 (Bloor St.) from Cubert St. to Oxford St., Oshawa	Construction	-	-	-	-	-	330	330		
from Cubert St. to Oxford St., Osnawa	Total	-	-	-	-	-	430	430		
	Pre-Construction	-	-	-	-	-	500	500		
Replacement of a sanitary sewer on Thornton Rd. from Adelaide Ave. to Tatra Dr., Oshawa	Construction	-	-	-	-	-	1,000	1,000		
	Total	-	-	-	-	-	1,500	1,500		
	Pre-Construction	150	-	-	-	-	-	-		
Replacement of sanitary sewer on Conant St. from Myers Rd. to Nelson St., Oshawa	Construction	-	-	390	-	-	-	390		
	Total	150	-	390	-	-	-	390		

Durham 🕿			Forecast					
Budget 8	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Depletement of coniton accuration Distance Dd. C. frame	Pre-Construction	-	-	-	-	-	-	-
Replacement of sanitary sewer on Ritson Rd. S. from Kawartha Ave. to Simcoe Street South, Oshawa	Construction	-	675	-	-	-	-	675
rawarina 7170. to omnoce offoot oodfif, oonawa	Total	-	675	-	-	-	-	675
Replacement of sanitary sewer on Ritson Rd. South from Annis St. to Conant St., Oshawa	Pre-Construction	-	-	-	-	-	-	-
	Construction	-	385	-	-	-	-	385
	Total	-	385	-	-	-	-	385
Penlacement of canitary sewer on Simcoo St. from	Pre-Construction	-	-	-	-	-	-	-
Replacement of sanitary sewer on Simcoe St. from Metcalf St to Quebec St., Oshawa	Construction	150	-	-	-	-	-	-
Metcall St to Quebec St., Oshawa	Total	150	-	-	-	-	-	-
Davida a sur i da sur i da sur a sur a sur la alcada Ava fuero	Pre-Construction	-	-	-	-	-	-	-
Replacement sanitary sewer on Jackson Ave from Merritt St. to Ritson Rd., Oshawa	Construction	-	-	-	300	-	-	300
Wernit St. to Mison M., Oshawa	Total	-	-	-	300	-	-	300
Davida and of antitam and an Marri Ot fram	Pre-Construction	150	-	-	-	-	-	-
Replacement of sanitary sewer on Mary St. from Rossland Rd to Robert St., Oshawa	Construction	2,000	-	-	-	-	-	-
Nossiand Nd to Nobelt St., Osnawa	Total	2,150	-	-	-	-	-	-
Doub consist of francisco William A On the constant	Pre-Construction	-	-	-	-	-	-	-
Replacement of forcemain on Wilmot Creek easement from Cobbledick Rd. to Toronto St., Newcastle	Construction	1,300	-	-	-	-	-	-
from Cobbledick Nd. to Toronto St., Newcastle	Total	1,300	-	-	-	-	-	-
	Pre-Construction	150	-	-	-	-	-	-
Replacement of sanitary sewer on First Ave. from Brock St. to Dominion St., Uxbridge	Construction	-	330	-	-	-	-	330
St. to Dominion St., Oxbridge	Total	150	330	-	-	-	-	330
	Pre-Construction	-	-	-	-	-	-	-
49 Evaluation of trunk sanitary sewers/gravity sewers at creek crossings	Construction	75	75	75	75	-	-	225
	Total	75	75	75	75	-	-	225
	Pre-Construction	-	-	-	-	-	-	-
50 Replacement of sanitary sewer in various locations	Construction	-	-	1,300	1,818	8,004	47,109	58,231
	Total	-	-	1,300	1,818	8,004	47,109	58,231

Durham ®					Foreca	st		
Durham Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
All	Pre-Construction	-	-	-	-	-	-	-
Allowance for construction of services in unserviced areas in response to requests or petitions	Construction	-	200	200	200	200	1,000	1,800
areas in response to requests or petitions	Total	-	200	200	200	200	1,000	1,800
Conitony Course on Manday Ct. frame Avalor Ct. to Manage	Pre-Construction	100	-	-	-	-	-	-
52 Sanitary Sewer on Meadow St. from Avalon St. to Manor Dr., Oshawa	Construction	-	-	260	-	-	-	260
Dr., Oshawa	Total	100	-	260	-	-	-	260
V 1/D 1 0 0 1 D: T 10 '	Pre-Construction	-	16,000	-	20,000	-	-	36,000
York/Durham Sewage System - Primary Trunk Sanitary Sewer Twinning, Pickering	Construction	-	-	-	-	-	217,050	217,050
Sewer Twirming, Pickering	Total	-	16,000	-	20,000	-	217,050	253,050
Owite and the Other Digital State	Pre-Construction	-	-	-	-	-	-	-
54 Sanitary sewer on Church St. from Hydro Right of Way to Taunton Rd., Ajax (Region's Share)	Construction	-	3,500	-	-	-	-	3,500
to radiitorriva., Ajax (Negion's Share)	Total	-	3,500	-	-	-	-	3,500
Ouritania and Discouries and Discour	Pre-Construction	-	-	-	-	-	-	-
55 Sanitary sewer diversion on Hunt St. from Westney Rd. to Harwood Ave., Ajax	Construction	-	-	5,700	-	-	-	5,700
to Halwood Ave., Ajax	Total	-	-	5,700	-	-	-	5,700
Twinning of Duffin Creek Trunk Sanitary Sewer on	Pre-Construction	-	-	-	-	500	1,000	1,500
56 easement from Bayly St. Sanitary Sewage Pumping	Construction	-	-	-	-	-	5,700	5,700
Station to Highway 401, Ajax	Total	-	-	-	-	500	6,700	7,200
T 10 " 0 1" 1 D1 "" 1 D1 "" 1 D1 " 1	Pre-Construction	-	-	-	-	-	-	-
57 Trunk Sanitary Sewer on Kingston Rd. (Highway No. 2) from east of Harwood Ave. to east of Galea Dr., Ajax	Construction	11,350	-	-	-	-	-	-
ITOTH East OF Harwood Ave. to east OF Galea Dr., Ajax	Total	11,350	-	-	-	-	-	-
Corbett Trunk Sanitary Sewer on easement from	Pre-Construction	-	1,000	-	-	-	-	1,000
58 Wentworth St. to Corbett Creek Water Pollution Control	Construction	-	-	-	6,200	-	-	6,200
Plant, Whitby	Total	-	1,000	-	6,200	-	-	7,200

Durham 89			Forecast						
Durham Budget 8202	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
Thickeon Dd. Sub Trunk conitary cower from Clangowan	Pre-Construction	-	-	-	-	-	-	-	
Thickson Rd. Sub-Trunk sanitary sewer from Glengowan St. to Conlin Rd., Whitby (Region's share only)	Construction	2,738	-	-	-	-	-	-	
ot. to definit red., writing (region a strate drily)	Total	2,738	-	-	-	-	-	-	
West Whithy sub-trunk on Dundag St. from Dog	Pre-Construction	-	-	-	-	-	-	-	
West Whitby sub trunk on Dundas St. from Des Newman Blvd. to Halls Rd., Whitby	Construction	-	12,400	-	-	-	-	12,400	
Nowman Biva. to Flano Rat., Williay	Total	-	12,400	-	-	-	-	12,400	
Brooklin Trunk Sanitary Sewer on Mid Block Arterial	Pre-Construction	-	900	-	-	-	-	900	
61 from Lynde Creek to St. Thomas St. Sanitary Sewage	Construction	-	-	-	4,020	-	-	4,020	
Pumping Station, Whitby	Total	-	900	-	4,020	-	-	4,920	
West Brooklin Trunk Sanitary Sewer from west of	Pre-Construction	-	-	-	-	-	-	-	
62 Cochrane St. to east of Highway No. 12, Whitby	Construction	4,000	6,600	-	-	-	-	6,600	
(Region's share only)	Total	4,000	6,600	-	-	-	-	6,600	
Southwest Brooklin Trunk Sanitary Sewer from west of	Pre-Construction	-	-	-	-	-	-	-	
63 Cochrane St. on New collector road to east of Highway	Construction	-	4,700	-	-	-	-	4,700	
12, Whitby (Region's share only)	Total	-	4,700	-	-	-	-	4,700	
West Control Decabling Towns Consider Consider Consider	Pre-Construction	-	-	-	-	-	-	-	
West Central Brooklin Trunk Sanitary Sewer west of Way St., Whitby (Region's share only)	Construction	-	-	1,900	-	-	-	1,900	
Way St., Williby (Region's Share Only)	Total	-	-	1,900	-	-	-	1,900	
	Pre-Construction	-	-	-	-	-	-	-	
65 Central Brooklin Trunk Sanitary Sewer, Whitby (Region's share only)	Construction	-	4,800	-	-	-	-	4,800	
share only)	Total	-	4,800	-	-	-	-	4,800	
0 1 15 18 18 7 10 8 0	Pre-Construction	-	-	-	-	-	-	-	
Central East Brooklin Trunk Sanitary Sewer east of Baldwin St., Whitby (Region's share only)	Construction	-	-	1,100	-	-	-	1,100	
Daidwill St., Williby (Neglott's Stiate Offig)	Total	-	-	1,100	-	-	-	1,100	
E 18 18 T 10 % 0	Pre-Construction	-	-	-	-	-	-	-	
East Brooklin Trunk Sanitary Sewer east of Thickson Rd., Whitby (Region's share only)	Construction	-	3,200	-	-	-	-	3,200	
Tru., Willing (Tregion's Shale Only)	Total	-	3,200	-	-	-	-	3,200	

■ Durham 😙					Foreca	st				
Durham Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
Conitant Course on local road from Windfields Forms Dr	Pre-Construction	-	-	120	-	-	-	120		
Sanitary Sewer on local road from Windfields Farm Dr. to Winchester Rd., Oshawa	Construction	-	-	-	1,000	-	-	1,000		
to Willonester Pa., Oshawa	Total	-	-	120	1,000	-	-	1,120		
Sanitary Sewer on Stevenson Rd, from Taunton Rd, to	Pre-Construction	-	300	-	-	-	-	300		
Sanitary Sewer on Stevenson Rd. from Taunton Rd. to Conlin Rd., Oshawa	Construction	-	-	2,800	-	-	-	2,800		
Committee, Comawa	Total	-	300	2,800	-	-	-	3,100		
Comitent Course on Thomason Dd force Comitin Dd within	Pre-Construction	-	-	-	-	-	-	-		
Sanitary Sewer on Thornton Rd. from Conlin Rd. within the Northwood Employment Area, Oshawa	Construction	1,600	-	-	-	-	-	-		
	Total	1,600	-	-	-	-	-	-		
Ash Creek Trunk Sanitary Sewer from Consumers	Pre-Construction	-	-	1,500	-	-	2,500	4,000		
Dr./Green Rd. to Ash Creek Trunk Sanitary Sewage at	Construction	-	-	-	-	-	16,000	16,000		
the former Pringle Creek Water Pollution Control Plant, Whitby	Total	-	-	1,500	-	-	18,500	20,000		
MUDI LACULE CONTRACTOR	Pre-Construction	-	1,300	-	-	-	-	1,300		
Mid Block Arterial Forcemain from Whitby/ Oshawa Boundary to Durham College easement, Whitby/Oshaw	Construction	-	-	-	6,700	-	-	6,700		
Boundary to Dumain College easement, whitby/Oshav	Total	-	1,300	-	6,700	-	-	8,000		
- "O I T I O " O I I I I	Pre-Construction	-	-	-	800	-	-	800		
Farewell Creek Trunk Sanitary Sewer twinning on easement west of Grandview St., Oshawa	Construction	-	-	-	-	-	2,700	2,700		
easement west of Grandview St., Oshawa	Total	-	-	-	800	-	2,700	3,500		
Twinning of northwest branch of Harmony Creek Sub-	Pre-Construction	150	320	-	-	-	-	320		
74 Trunk Sanitary Sewer from Central Park Blvd N. &	Construction	-	-	2,200	-	-	-	2,200		
Hillcroft St. to Beatrice St., Oshawa	Total	150	320	2,200	-	-	-	2,520		
North Oshawa Creek (East branch) Trunk Sanitary 75 Sewer on easement from Arctic Red Dr. to Winchester Rd., Oshawa (Region's Share only)	Pre-Construction	-	-	-	-	-	-	-		
	Construction	-	-	5,000	-	-	-	5,000		
	Total	-	-	5,000	-	-	-	5,000		

Durham 8					Foreca	st		
Budget Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
North Oshawa Creek (East Branch) Trunk Sanitary	Pre-Construction	-	-	-	-	-	-	-
76 Sewer on easement from southeast of Thornton Rd. to	Construction	-	-	-	-	-	4,500	4,500
Simcoe St., Oshawa (Region's share only)	Total	-	-	-	-	-	4,500	4,500
Turing and Oakayya Craak Trumk Canitany Cayyan franc	Pre-Construction	-	-	-	250	-	-	250
77 Twinning of Oshawa Creek Trunk Sanitary Sewer from Gibb St. to Greenwood Ave., Oshawa	Construction	-	-	-	-	-	1,200	1,200
GIDD St. to Greenwood Ave., Oshawa	Total	-	-	-	250	-	1,200	1,450
Company on Combin Dd from Ditam Dd to Harmann	Pre-Construction	-	-	-	-	-	-	-
Forcemain on Conlin Rd. from Ritson Rd. to Harmony Rd., Oshawa	Construction	-	-	9,200	-	-	-	9,200
rtu., Oshawa	Total	-	-	9,200	-	-	-	9,200
North Oshawa Creek (West Branch) Trunk Sanitary	Pre-Construction	-	1,000	-	-	-	-	1,000
79 Sewer from Conlin Rd. Sanitary Sewage Pumping	Construction	-	-	-	4,500	-	-	4,500
Station to Britannia Ave., Oshawa	Total	-	1,000	-	4,500	-	-	5,500
North Oshawa Creek (West Branch) Trunk Sanitary	Pre-Construction	-	3,000	-	-	-	-	3,000
80 Sewer from south side of hydro corridor to Columbus	Construction	-	-	-	19,300	-	-	19,300
Rd., Oshawa	Total	-	3,000	-	19,300	-	-	22,300
0 " T 10 " 0 T 11 D1 (D) 0	Pre-Construction	3,000	-	-	-	-	-	-
Courtice Trunk Sanitary Sewer - Trulls Rd. from Bloor St. to future Adelaide Ave., Courtice	Construction	-	52,700	-	-	-	-	52,700
to future Adelaide Ave., Courtice	Total	3,000	52,700	-	-	-	-	52,700
	Pre-Construction	1,200	-	-	-	-	-	-
82 Courtice Trunk Sanitary Sewer - Adelaide Ave. from Trulls Rd. to Townline Rd., Courtice	Construction	7,600	4,300	4,300	44,800	-	-	53,400
Truits Ru. to Townillite Ru., Courtice	Total	8,800	4,300	4,300	44,800	-	-	53,400
0 " 7 10 " 0 7 " 7 "	Pre-Construction	-	-	1,300	-	-	-	1,300
Courtice Trunk Sanitary Sewer - Townline Rd. from Adelaide Ave. to Beatrice St., Courtice	Construction	-	-	-	-	52,800	-	52,800
	Total	-	-	1,300	-	52,800	-	54,100

	Durham 🕿					Foreca	st		
	Budget 802	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
	Southwest Courtice Sub -Trunk Sanitary Sewer on	Pre-Construction	-	-	-	-	-	-	-
84	Baseline Rd. from Trulls Rd. to 650 m west of Trulls Rd.,	Construction	-	-	4,600	-	-	-	4,600
	Courtice	Total	-	-	4,600	-	-	-	4,600
	Southeast Courtice Sub-Trunk Sanitary Sewer on future	Pre-Construction	-	-	-	-	-	-	-
85	mid-block road from Trulls Rd. to Courtice Rd. & Courtice Rd. from mid-block to Bloor St., Courtice	Construction	5,300	-	-	-	-	-	-
		Total	5,300	-	-	-	-	-	-
	Baseline Rd. Trunk Sanitary Sewer from Simpson Ave.	Pre-Construction	-	-	-	-	-	-	-
86	to Bennett Rd., Bowmanville	Construction	-	16,900	-	14,000	-	-	30,900
	to Definett Nd., Downlanville	Total	-	16,900	-	14,000	-	-	30,900
	, Bennett Rd. Trunk Sanitary Sewer from Baseline Rd. to	Pre-Construction	-	-	-	-	-	-	-
87	Highway No. 2, Bowmanville (Region's share only)	Construction	-	-	-	-	-	1,700	1,700
		Total	-	-	-	-	-	1,700	1,700
	Port Darlington Rd. Trunk Sanitary Sewer from Baseline	Pre-Construction	-	-	-	-	-	-	-
88	Rd. to existing easement, Bowmanville	Construction	-	24,300	-	-	-	-	24,300
		Total	-	24,300	-	-	-	-	24,300
	Twinning of Spry Ave. Trunk Sanitary Sewer from	Pre-Construction	-	-	-	-	1,000	1,000	2,000
89	Baseline Rd. to N/L of Spry Ave., Bowmanville	Construction	-	-	-	-	-	5,000	5,000
	Bussilio Fa. to 142 of opty 7110., Boundarium	Total	-	-	-	-	1,000	6,000	7,000
	Soper Creek Trunk Sanitary Sewer on Mearns Ave. from	Pre-Construction	-	-	-	-	-	-	-
90	Freeland Ave. to Concession Rd. 3 and on Concession	Construction	-	1,650	-	-	-	-	1,650
30	Rd. 3 from Mearns Ave. to 450 m west of Mearns Ave., Bowmanville	Total	-	1,650	-	-	-	-	1,650
	5 · 0 · 1 · 7 · 1 · 0 · · 0 · · 0 · · 1 · 1 · 1 · · · ·	Pre-Construction	-	-	-	-	-	-	-
91	Foster Creek Trunk Sanitary Sewer on Sunset Blvd./ Lakeview Rd. from Rudell Rd. to Church St., Newcastle	Construction	-	11,000	-	-	-	-	11,000
	Lakeview Ru. ITOTH Rudell Ru. to Church St., Newcastle	Total	-	11,000	-	-	-	-	11,000
	Foster Creek Trunk Sanitary Sewer on North St. from north side of Canadian Pacific Railway to Concession Rd. 3, Newcastle (Region's share only)	Pre-Construction	-	2,900	-	-	-	-	2,900
92		Construction	-	-	-	-	-	-	-
		Total	-	2,900	-	-	-	-	2,900
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Durham Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Sanitary Sewer on Concession Rd. 5 to service the	Pre-Construction	-	-	-	-	-	-	-
93 westerly portion of the Beaverton Avenue Employment	Construction	-	3,600	-	-	-	-	3,600
Area A, Brock	Total	-	3,600	-	-	-	-	3,600
Linear Infrastructure Subtotal		46,615	189,710	52,978	135,408	82,729	414,584	875,409
Buildings and Structures								
	Pre-Construction	-	-	-	340	500	-	840
94 Duffin Creek Water Pollution Control Plant - Chlorine Contact Tank Expansion	Construction	-	-	-	-	-	14,640	14,640
	Total	-	-	-	340	500	14,640	15,480
	Pre-Construction	-	1,400	3,000	-	-	-	4,400
Proposed Pickering Parkway Sanitary Sewage Pumping Station and forcemain, Pickering	Construction	-	-	-	-	13,500	-	13,500
Station and forcemain, i lokering	Total	-	1,400	3,000	-	13,500	-	17,900
Description of Continue Description Continue Continue Distriction	Pre-Construction	-	-	-	-	-	1,749	1,749
96 Proposed Squires Beach Sanitary Sewage Pumping Station, Pickering	Construction	-	-	-	-	-	-	-
Otation, Florering	Total	-	-	-	-	-	1,749	1,749
Carbott Crook Water Pollution Control Plant, works to	Pre-Construction	-	-	-	-	-	-	-
Orbett Creek Water Pollution Control Plant - works to rectify existing deficiencies	Construction	-	7,300	-	-	-	-	7,300
	Total	-	7,300	-	-	-	-	7,300
Expansion of Carbott Crook Water Pollution Control	Pre-Construction	-	-	10,000	-	-	-	10,000
98 Expansion of Corbett Creek Water Pollution Control Plant from 84 MLD to 109 MLD	Construction	-	-	-	-	-	174,000	174,000
- I Idik Wolff Of WEB to 100 WEB	Total	-	-	10,000	-	-	174,000	184,000
Brooklin Sanitary Diversion Strategy - Proposed	Pre-Construction	-	3,500	-	-	-	-	3,500
99 Thickson Rd. Sanitary Sewage Pumping Station and	Construction	-	-	-	29,800	-	-	29,800
forcemain, Whitby	Total	-	3,500	-	29,800	-	-	33,300
Harmony Crook Water Pollution Central Plant No. 4	Pre-Construction	-	-	-	-	-	-	-
Harmony Creek Water Pollution Control Plant No. 1 demolition, Oshawa	Construction	-	<u>-</u>	2,900	-	-	<u>-</u>	2,900
domondon, donawa	Total	-	-	2,900	-	-	-	2,900

Durham 🕿			Forecast					
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Harmony Creek Sanitary Sewage Pumping Station - expansion and forcemain twinning, Oshawa	Pre-Construction	600	-	3,000	-	-	-	3,000
	Construction	-	-	-	-	-	45,100	45,100
expansion and forcemain twinning, Oshawa	Total	600	-	3,000	-	-	-	48,100
Expansion of the Conlin Rd. Sanitary Sewage Pumping Station and twinning of the forcemain, Oshawa	Pre-Construction	-	-	-	-	-	-	-
	Construction	2,500	-	70,700	-	-	-	70,700
Station and twinning of the foreenain, Conawa	Total	2,500	-	70,700	-	-	-	70,700
Dranged Harbour Dd. Couth Conitary Courage Dumning	Pre-Construction	-	500	-	1,600	-	-	2,100
Proposed Harbour Rd. South Sanitary Sewage Pumping Station and forcemain, Oshawa	Construction	-	-	-	-	-	7,100	7,100
Station and Torochiam, Conawa	Total	-	500	-	1,600	-	7,100	9,200
Cimena Ct Couth Conitary Courage Dumning Station and	Pre-Construction	-	-	-	-	-	-	-
Simcoe St. South Sanitary Sewage Pumping Station and forcemain replacement, Oshawa	Construction	-	4,700	-	-	-	-	4,700
Torocmain replacement, Conawa	Total	-	4,700	-	-	-	- 45,100 45,100 - - - - 7,100 7,100 - - 1,200 7,500 8,700 - 148,900 148,900 - - - 1,700 5,700 7,400 - -	4,700
Madawaska, Sanitary Sawaga Dumning Station	Pre-Construction	-	-	-	-	1,000	1,200	2,200
Madawaska Sanitary Sewage Pumping Station - pumping station replacement, Oshawa	Construction	-	-	-	-	-	7,500	7,500
pamping station replacement, contawa	Total	-	-	-	-	1,000	- 45,100 45,100 - - - - 7,100 7,100 7,100 - - - - 00 1,200 7,500 00 8,700 - 148,900 - - 1,700 5,700 7,400 - -	9,700
Expansion of Courties Water Pollution Control Plant	Pre-Construction	1,000	-	4,500	-	-	-	4,500
Expansion of Courtice Water Pollution Control Plant from 68 MLD to 136 MLD	Construction	-	-	-	-	-	148,900	148,900
HOIN OO WIED TO TOO WIED	Total	1,000	-	4,500	-	-	148,900	153,400
Drawaged Bearline Dd. Conitawy Courses Dymaning	Pre-Construction	-	-	-	-	-	-	-
Proposed Baseline Rd. Sanitary Sewage Pumping Station and forcemain, Courtice	Construction	-	-	4,000	-	-	-	4,000
Station and forcemain, Sourtice	Total	-	-	4,000	-	-	- 45,100 45,100 - - - - 7,100 7,100 7,100 - - 1,200 7,500 8,700 - 148,900 148,900 - - - 1,700 5,700 7,400 - -	4,000
Donner d North and Conitant Course Duranian Chatian	Pre-Construction	-	-	-	500	-	1,700	2,200
Proposed Northeast Sanitary Sewage Pumping Station and forcemain, Bowmanville	Construction	-	<u>-</u>	-	-	-	5,700	5,700
and forcemain, bowinarivine	Total	-	-	-	500	-	- 45,100 45,100 - - - - 7,100 7,100 - - 1,200 7,500 8,700 - 148,900 148,900 - - - 1,700 5,700 7,400 - -	7,900
Newscotte Water Bellution Control Blant Constitutes	Pre-Construction	-	-	-	-	-	-	-
Newcastle Water Pollution Control Plant - Capacity Rerating 4 MLD to 7 MLD	Construction	3,630	-	-	-	-	-	
	Total	3,630	-	-	-	-	-	-

Durham Budget 820								
	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Expansion of Newcastle Water Pollution Control Plant from 7 MLD to 16 MLD and outfall	Pre-Construction	-	-	1,100	-	1,300	-	2,400
	Construction	-	-	-	-	-	-	-
HOIII / MILD to TO MILD and odtian	Total	-	-	1,100	-	1,300	-	2,400
0 10 " 0 0 0 "	Pre-Construction	-	120	-	-	-	-	120
Sunset Sanitary Sewage Pumping Station - decommissioning, Clarington	Construction	-	600	-	-	-	-	600
decommissioning, claimgton	Total	-	720	-	-	-	- - - - - - - -	720
Uxbridge Water Pollution Control Plant - Optimization	Pre-Construction	-	-	-	-	-	-	-
112 Study, upgrades and rehabilitation works based on the	Construction	-	4,600	-	-	-	-	4,600
condition assessment.	Total	-	4,600	-	-	-	-	4,600
W . O O W O D . O W	Pre-Construction	-	-	-	-	-	-	-
Water St. Sanitary Sewage Pumping Station - Expansion/Replacement, Scugog	Construction	-	19,550	-	3,000	-	-	22,550
Expansion/Replacement, Scugog	Total	-	19,550	-	3,000	-	-	22,550
Port Perry Industrial Area Sanitary Sewage Pumping Station, forcemain and sanitary sewer, Port Perry	Pre-Construction	-	1,200	-	-	-	-	1,200
	Construction	-	-	-	-	14,200	-	14,200
Station, forcemain and Sanitary Sewer, Port Perry	Total	-	1,200	-	-	14,200	·	15,400
Sunderland Water Pollution Control Plant - Lagoon System, Brock	Pre-Construction	2,000	-	-	-	-	-	-
	Construction	-	-	11,000	-	-	-	11,000
System, brock	Total	2,000	-	11,000	-	-	- - - - - - - - - - - - -	11,000
River St. Sanitary Sewage Pumping Station expansion,	Pre-Construction	1,200	-	-	-	-	-	-
	Construction	-	4,600	-	-	-	-	4,600
Brock	Total	1,200	4,600	-	-	-	- - - - - - - - - - - - - - - - - - -	4,600
117 Cannington Water Pollution Control Plant - Lagoon	Pre-Construction	2,000	- -	-	-	-	-	-
	Construction	· -	-	11,500	-	-	-	11,500
System, Brock	Total	2,000	-	11,500	-	-		11,500
Laidlaw St. Sanitary Sewage Pumping Station expansion, Brock	Pre-Construction	1,000	-	-	-	-	-	-
	Construction	· -	5,200	-	-	-	-	5,200
	Total	1,000	5,200	-	-	-	-	5,200

Durham Budget			Forecast						
	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
Lake Simcoe Water Pollution Control Plant - expansion, Brock	Pre-Construction	-	-	-	-	1,000	2,000	3,000	
	' Construction	-	-	-	-	-	39,000	39,000	
DIOCK	Total	-	-	-	-	1,000	41,000	42,000	
	Pre-Construction	-	-	-	-	1,000	6,500	7,500	
Harbour St. Sanitary Sewage Pumping Station expansion, Brock	Construction	-	-	-	-	-	-	-	
expansion, brook	Total	-	-	-	-	1,000	2,000 39,000 41,000 6,500	7,500	
Description Franciscopet Landa Area D. Canitani Causana	Pre-Construction	-	1,000	-	-	-	-	1,000	
Beaverton Employment Lands Area B Sanitary Sewage Pumping Station and sanitary sewer, Brock	Construction	-	-	-	5,800	-	-	5,800	
r umping station and samilary sewer, brook	Total	-	1,000	-	5,800	-		6,800	
	Pre-Construction	-	-	-	-	-	-	-	
122 Septage receiving stations, various stations	Construction	-	1,840	-	-	-	-	1,840	
	Total	-	1,840	-	-		-	1,840	
Mater Bellution Control Blant Accet Management	Pre-Construction	-	-	-	-	-	-	-	
Water Pollution Control Plant - Asset Management Remediation and Rehabilitation works	Construction	-	5,000	8,000	5,000	8,000	45,000	71,000	
Nemediation and Nemabilitation works	Total	-	5,000	8,000	5,000	8,000	45,000	71,000	
	Pre-Construction	-	-	-	-	-	-	-	
124 New Concrete Floor in Sign Shed - Ajax Depot	Construction	-	25	-	-	-	-	25	
	Total	-	25	-	-	-	39,000 41,000 6,500 - 6,500 45,000 45,000	25	
	Pre-Construction	1,667	-	-	-	-	-	-	
125 Depot Rationalization - Ajax Depot Expansion	Construction	-	11,667	-	-	-	-	11,667	
	Total	1,667	11,667	-	-	-	-	11,667	
126 Building J Roof Replacement - Corbett Creek WPCP	Pre-Construction	82	-	-	-	-	-	-	
	Construction	-	153	-	-	-	-	153	
	Total	82	153	-	-	-	-	153	
127 Digester Cleanout - Various Locations	Pre-Construction	-	-	-	-	-	-	-	
	Construction	-	650	250	-	-	-	900	
	Total	-	650	250	-	-	-	900	

Access Ladder Repair/Replacement Project - Various Locations	Forecast						
Access Ladder Repair/Replacement Project - Various Locations Total 641 -	orecast Total						
	-						
Total 641 - - - - - - - - -	-						
Replacement Fire System - Vesda - Duffin Creek WPCP Total 800 - - - - - - - - -	-						
New Furniture in Office and Lab - Expansion - Total 800 - - - - - - - - -	-						
Total 800 - - - - - - - - -	-						
New Furniture in Office and Lab - Expansion - Environmental Lab Province Province	-						
Function Function	-						
Total Pre-Construction Free-Construction Free-Construction	-						
Re-pave Existing South Driveway - Harmony Creek WPCP Construction - - 143 - - - - - - - - -	-						
VPCP Total - 40 143 - - - - - - - - -	40						
Total Fre-Construction Fre	143						
132 Install Electric Gates - Lake Simcoe WPCP	183						
Total Fre-Construction Fre	40						
Pre-Construction Pre-Constru	110						
133 Construction of Mezzanine in Fleet Bay 1 - Orono Depot Construction - 67 - - - - Total - 67 - - - - - Thermal Glass Panels for Rollup Doors and Door operators - Orono Depot Construction - - - - - - - -	150						
Total - 67	-						
Thermal Glass Panels for Rollup Doors and Door operators - Orono Depot Pre-Construction	67						
Thermal Glass Panels for Rollup Doors and Door Operators - Orono Depot Construction - 66	67						
operators - Orono Depot	-						
operators - Orono Depot	66						
Total - 66	66						
Pre-Construction	-						
135 Paving of Rear Yard and Site Repairs - Orono Depot Construction 121	121						
Total 121	121						
Pre-Construction 27	-						
Roof Replacement on Vehicle Storage Bays - Orono Construction - 172	172						
Depot	172						

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Durham Budget 8202	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
	Pre-Construction	-	-	-	-	-	73	73		
137 20 Bay Cold Vehicle Storage - Orono Depot Expansion	Construction	-	-	-	-	-	1,192	1,192		
	Total	-	-	-	-	-	1,265	1,265		
Call and Dring Changes Duilding Ones Danet	Pre-Construction	-	-	-	-	-	116	116		
Salt and Brine Storage Building - Orono Depot Expansion	Construction	-	-	-	-	-	1,050	1,050		
	Total	-	-	-	-	-	1,166	1,166		
	Pre-Construction	-	-	-	-	-	-	-		
39 Replacement of Fire System - Oshawa/Whitby Depot	Construction	68	-	-	-	-	-	-		
	Total	68	-	-	-	-	-	-		
	Pre-Construction	12,667	1,667	-	-	-	-	1,667		
141 Depot Rationalization - New Oshawa/Whitby Depot	Construction	-	-	55,000	-	-	-	55,000		
	Total	12,667	1,667	55,000	-	-	-	56,667		
	Pre-Construction	-	-	-	-	-	-	-		
Driveway Replacement - Plants Central - Zone 2 Reservoir	Construction	-	50	-	-	-	-	50		
Reservoir	Total	-	50	-	-	-	-	50		
	Pre-Construction	7	-	-	-	-	-	-		
Repairs and Epoxy Coat Fleet Bay Concrete Floors & Repairs to Floor Drains in Fleet Bays - Scugog Depot	Construction	-	28	-	-	-	-	28		
Repairs to Floor Drains in Fleet bays - Scugog Depot	Total	7	28	-	-	-	-	28		
	Pre-Construction	-	-	10	-	-	-	10		
Replace Existing Asphalt in Various Location - Scugog	Construction	-	-	-	123	-	-	123		
Depot	Total	-	-	10	123	-	-	133		
	Pre-Construction	-	-	-	93	-	-	93		
145 Additional Office Space - Scugog Depot	Construction	-	-	-	-	406	-	406		
	Total	-	-	-	93	406	-	499		

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Budget 820	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
New 16 Bay Cold Vehicle Storage - Scugog Depot	Pre-Construction	-	-	-	73	-	-	73
146 Expansion	Construction	-	-	-	-	992	-	992
	Total	-	-	-	73	992	-	1,065
New Salt and Pring Starage Equility Source Danet	Pre-Construction	-	-	-	100	-	-	100
New Salt and Brine Storage Facility - Scugog Depot Expansion	Construction	-	-	-	-	1,067	-	1,067
—	Total	-	-	-	100	1,067	-	1,167
Widening of Evicting Coneny Entrance Sunderland	Pre-Construction	8	-	-	-	-	-	-
Widening of Existing Canopy Entrance - Sunderland Depot	Construction	-	42	-	-	-	-	42
	Total	8	42	-	-	-	-	42
Install Perimeter Fence - Pumping Stations Central - Cochrane St SPS	Pre-Construction	-	-	-	-	-	-	-
	Construction	50	-	-	-	-	-	-
	Total	50	-	-	-	-	-	-
	Pre-Construction	-	-	-	-	-	-	-
150 Renovation & Optimization - 101 Consumers	Construction	442	-	-	-	-	-	-
	Total	442	-	-	-	-	-	-
A I allow Daniel Daniel and Daniel A. Daffin	Pre-Construction	-	-	-	-	-	-	-
Access Ladder Repair/Replacement Project - Duffin Creek WPCP	Construction	582	-	-	-	-	-	-
Greek Wr Gr	Total	582	-	-	-	-	-	-
	Pre-Construction	1,333	1,333	-	-	-	-	1,333
152 Depot Rationalization - New Sunderland Depot	Construction	-	-	14,000	-	-	-	14,000
	Total	1,333	1,333	14,000	-	-	-	15,333
Buildings and Structures Subtotal		32,325	77,110	199,213	46,429	42,965	502,641	868,358
Machinery & Equipment								
	Pre-Construction	100	-	-	-	_	-	-
Central Duffin Creek Metering Building at Valleyfarm	Construction	-	560	-	-	-	-	560
Road and Finch Avenue meter replacement, Pickering	Total	100	560	-	-	-	-	560

Durham 🕿					Foreca	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Duffin Creek Water Pollution Control Plant - Digester	Pre-Construction	-	-	-	-	-	-	-
154 mixing improvements and Motor Control Centre	Construction	21,450	23,850	-	-	-	-	23,850
Replacement, Pickering	Total	21,450	23,850	-	-	-	-	23,850
Duffin Crook Water Pollution Central Plant	Pre-Construction	-	-	-	-	-	-	-
Duffin Creek Water Pollution Control Plant - Replacement of Reactor No. 1 & 2, Pickering	Construction	-	25,000	25,000	50,000	70,000	133,500	303,500
	Total	-	25,000	25,000	50,000	70,000	133,500	303,500
Duffin Consile Water Dalleting Control Direct D	Pre-Construction	-	-	-	-	-	-	-
Duffin Creek Water Pollution Control Plant - Remedial works and improvements in various locations throughout	Construction	27,500	-	-	-	-	-	-
the plant	Total	27,500	-	-	-	-	-	-
	Pre-Construction	1,000	-	-	-	-	-	-
Duffin Creek Water Pollution Control Plant - Ammonia- based aeration control (ABAC) for Stage 1, 2 and 3	Construction	-	-	5,000	-	-	-	5,000
based aeration control (ADAC) for Stage 1, 2 and 3	Total	1,000	-	5,000	-	-	-	5,000
	Pre-Construction	-	-	-	-	-	3,000	3,000
Duffin Creek Water Pollution Control Plant - Ultra Fine	Construction	-	-	-	-	-	20,000	20,000
Bubble Diffusers conversion (full plant)	Total	-	-	-	-	-	23,000	23,000
	Pre-Construction	-	-	-	-	5,000	-	5,000
Duffin Creek Water Pollution Control Plant - Biogas Purification to Renewable Natural Gas (RNG)	Construction	-	-	-	-	-	18,400	18,400
Purification to Renewable Natural Gas (RNG)	Total	-	-	-	-	5,000	18,400	23,400
D. (" O . I.W. I. D. II. (' O . I.B) (O . III'	Pre-Construction	-	-	-	-	-	-	-
Duffin Creek Water Pollution Control Plant - Condition	Construction	-	200	300	-	-	500	1,000
Assessment and Asset Plan updating	Total	-	200	300	-	-	500	1,000
Duffin Oncole Western Dellustions Countried Dlant - Accept	Pre-Construction	-	100	100	100	100	4,300	4,700
Duffin Creek Water Pollution Control Plant - Asset Management Remediation and rehabilitation works	Construction	-	900	900	900	900	20,700	24,300
Management Remediation and rehabilitation works	Total	-	1,000	1,000	1,000	1,000	25,000	29,000

Durham 🕿					Foreca	st			
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total	
Liverpool Road Sanitary Sewage Pumping Station -	Pre-Construction	-	-	-	-	-	-	-	
162 communication, mechanical and process upgrades,	Construction	-	3,700	-	-	-	-	3,700	
Pickering	Total	-	3,700	-	-	-	-	3,700	
Carrythara Canitary Cayaga Dumning Station Standby	Pre-Construction	-	-	250	-	-	-	250	
Carruthers Sanitary Sewage Pumping Station - Standby Power Upgrades	Construction	-	-	-	-	750	-	750	
	Total	-	-	250	-	750	-	1,000	
Michael Blvd. Sanitary Sewerage Pumping Station - replacement of the Motor Control Centre (MCC) and pump, Whitby	Pre-Construction	200	-	-	-	-	-	-	
	Construction	-	-	-	2,000	-	-	2,000	
	Total	200	-	-	2,000	-	-	2,000	
Hanover Sanitary Sewage Pumping Station - the replacement of pumps and forcemain, Whitby	Pre-Construction	-	-	-	-	-	-	-	
	Construction	100	-	-	-	-	-	-	
	Total	100	-	-	-	-	-	-	
Dreadqueter Caniitany Courses Dumming Station atation	Pre-Construction	-	-	-	-	-	-	-	
Breakwater Saniitary Sewage Pumping Station - station modifications, Whitby	Construction	-	-	960	-	-	-	960	
modifications, withdy	Total	-	-	960	-	-	-	960	
Circus Ct. Comitons Company Dumania a Ctation	Pre-Construction	250	-	-	-	-	-	-	
Simcoe St. Sanitary Sewerage Pumping Station - Chemical Pump addition, Oshawa	Construction	-	-	575	-	-	-	575	
Chemical Fump addition, Oshawa	Total	250	-	575	-	-	-	575	
M	Pre-Construction	-	-	-	-	-	-	-	
Madawaska Sanitary Sewerage Pumping Station - piping upgrades and flow meter installation, Oshawa	Construction	-	-	460	-	-	-	460	
piping upgrades and now meter installation, Osnawa	Total	-	-	460	-	-	-	460	
	Pre-Construction	-	-	-	-	-	-	-	
Courtice Water Pollution Control Plant - remediation work and performance improvements, Courtice	Construction	-	2,900	-	-	-	-	2,900	
work and performance improvements, countice	Total	-	2,900	-	-	-	-	2,900	
0 " W + B " " 0 + 15" + 5" + 1	Pre-Construction	-	-	750	1,600	-	-	2,350	
170 Courtice Water Pollution Control Plant - Digester 1 Refurbishment, Courtice	Construction	-	-	-	-	-	4,000	4,000	
	Total	-	-	750	1,600	-	4,000	6,350	

Durham 🕿				Forecast						
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
Don't Double story Water Dolly tion Control Dlant Maion	Pre-Construction	-	-	-	-	-	-	-		
Port Darlington Water Pollution Control Plant - Major Maintenance replacement work, Bowmanville	Construction	-	7,100	-	-	-	-	7,100		
Maintenance replacement work, bowmanvine	Total	-	7,100	-	-	-	-	7,100		
Doub Double ston Water Dolletion Control Dlant World	Pre-Construction	-	-	-	-	-	-	-		
Port Darlington Water Pollution Control Plant - work to recitify deficiencies, Bowmanville	Construction	-	1,400	-	-	-	-	1,400		
reduity deficiences, bowinarivine	Total	-	1,400	-	-	-	-	1,400		
Lake Simcoe Water Pollution Control Plant - Diffused Air System replacement and associated system upgrades	Pre-Construction	-	-	-	-	-	-	-		
	Construction	7,050	-	-	-	-	-	-		
	Total	7,050	-	-	-	-	-	-		
Labor Circus and Water Ballistina Construt Bland	Pre-Construction	-	-	-	-	-	-	-		
Lake Simcoe Water Pollution Control Plant - Replacement of Clarifier mechanisms	Construction	100	-	-	-	-	-	-		
Replacement of Claimer mechanisms	Total	100	-	-	-	-	-	-		
1 1 0; W 1 B II (0 1 1 B) 1 1 1 (Pre-Construction	-	750	-	-	-	-	750		
Lake Simcoe Water Pollution Control Plant - tertiary filter replacement	Construction	-	-	-	-	2,000	-	2,000		
ппеттеріасеттеті	Total	-	750	-	-	2,000	-	2,750		
	Pre-Construction	500	-	-	-	-	-	-		
Lake Simcoe Water Pollution Control Plant and	Construction	-	-	6,000	-	-	-	6,000		
176 associated sanitary sewerage pumping stations - PLC and SCADA system upgrades	Total	500	-	6,000	-	-	-	6,000		
	Pre-Construction	-	-	-	-	-	-	-		
Laidlaw, Cedar and Harbour St. Sanitary Sewage	Construction	-	-	-	4,000	-	-	4,000		
177 Pumping Station - Major Maintenance and replacement work	Total	-	-	-	4,000	-	-	4,000		
	Pre-Construction	-	-	-	-	-	-	-		
Sanitary Sewerage Pumping Station - piping upgrades	Construction	-	-	500	500	-	-	1,000		
and flow meter installation, at various locations	Total	-	-	500	500	-	-	1,000		

Durham					Foreca	ast				
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
Emergency Concretor Fuel Tank Compliance ungrades	Pre-Construction	-	-	-	-	-	-	-		
179 Emergency Generator Fuel Tank Compliance upgrades Phase 3 and 5	Construction	1,700	-	-	-	-	-	-		
	Total	1,700	-	-	-	-	-	-		
180 Asphalt Content Ignition Furnace - Construction		-	-	-	-	-	7	7		
181 Bar Pullout Tester - Construction		4	-	-	-	-	-	-		
182 Bench Oven - Construction		5	-	-	-	-	-	-		
183 Concrete End Grinder - Construction		8	-	-	-	-	-	-		
184 Concrete Testing Equipment - Construction		-	-	-	-	-	9	9		
185 Electronic Scale - Construction		-	-	-	-	-	3	3		
186 Gyratory Compactor/Molds/Equipment - Construction		22	-	-	-	-	-	-		
187 Lab Oven - Construction		-	-	-	-	-	4	4		
188 Nuclear Densometer - Construction		3	-	5	-	-	-	5		
189 Survey GPS Instrument - Construction		-	10	10	10	10	54	94		
190 Survey Total Station Replacement - Construction		-	-	-	-	-	39	39		
191 Valve Actuators - Corbett Creek WPCP		-	25	-	25	-	-	50		

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Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	
192 WAS Pump Replacement - Corbett Creek WPCP		-	50	-	-	-	-	50
193 Aeration Cell Cleanout - Sand - Courtice WPCP		-	200	-	-	-	-	200
194 Biosolids Transfer Pumps - Courtice WPCP		-	15	-	-	-	-	15
195 Chemical Pump Replacement - Various Locations		18	12	-	30	-	12	54
196 Clarifier Mechanisms - Courtice WPCP		-	32	32	-	-	-	64
197 Digester Mixing Pump Rebuild - Courtice WPCP		-	15	-	15	-	30	60
198 Digester Mixing Pumps - Courtice WPCP		-	-	15	-	15	15	45
199 Grit Blower Rebuild - Courtice WPCP		10	-	10	-	10	-	20
200 Return Pump Rebuild - Courtice WPCP		-	-	-	-	-	30	30
201 Truck Loading Pump Rebuild - Courtice WPCP		-	-	15	-	15	-	30
202 Wasting Pump Rebuild - Courtice WPCP		-	10	-	10	-	20	40
203 Analytical Balance Bench Scale - Duffin Creek WPCP		15	-	-	-	-	-	-
204 Auto Sampler Replacement - Duffin Creek WPCP		25	-	-	-	-	75	75
Barscreen Replacement/Major Repair - Duffin Creek WPCP		-	-	-	-	150	150	300

Durham					Forecas	st .		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
206 BAS Server Replacement - Duffin Creek WPCP		75	-	-	-	-	75	75
207 Biofilter Inspection/Media Replacement - Duffin Creek WPCP		-	-	100	100	100	200	500
208 Blower Building Major Repairs - Duffin Creek WPCP		-	-	-	-	-	200	200
209 Bobcat Replacement - Duffin Creek WPCP		-	-	75	-	-	-	75
210 Boiler Building Instrumentation - Duffin Creek WPCP		-	75	75	75	-	-	225
Chain and Flyght Replacement - Stage 3 Secondary Clarifier - Duffin Creek WPCP		100	-	-	-	-	-	-
212 Density Meter Replacement - Duffin Creek WPCP		-	-	-	88	-	-	88
213 Dewatered Sludge Conveyor Replacement - Duffin Creek WPCP		-	-	-	125	-	125	250
214 Digester Cleanout/Blend Tank - Duffin Creek WPCP		-	125	-	-	-	1,200	1,325
215 Dock Leveler Replacement - Duffin Creek WPCP		30	50	-	-	-	-	50
216 DPD Analyzer - Duffin Creek WPCP		-	17	-	-	-	-	17
217 DR3900 Spectrophotometer - Duffin Creek WPCP		15	-	-	-	-	-	-
218 ERIS Servers - Duffin Creek WPCP		-	75	-	-	-	75	150
219 Filtrate Station LIT Replacement - Duffin Creek WPCP		-	75	-	-	-	-	75

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Durham Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Filtrate Station Pump Replacement - Duffin Creek WPCP		-	-	-	-	-	200	200
221 Forklift Replacement - Duffin Creek WPCP		-	-	-	-	-	140	140
222 Gator Replacement - Duffin Creek WPCP		-	25	-	-	-	100	125
Grit Conveyor System Replacement - Duffin Creek WPCP		-	-	150	-	-	300	450
224 Integrated Control Technology - Security Project - Various Locations		311	-	-	-	-	-	-
225 Laboratory Meter/Scale Replacement - Duffin Creek WPCP		-	-	15	-	-	65	80
226 Major Centrifuge Component Replacement/Rebuild - Duffin Creek WPCP		-	125	125	125	125	500	1,000
227 Network Core Switches - Duffin Creek WPCP		-	-	150	-	-	150	300
228 Network Switches BAS, SCADA - Duffin Creek WPCP		-	-	-	-	300	300	600
229 OIT Replacements - Duffin Creek WPCP		-	15	15	15	15	75	135
Polymer Building PRAP Network Upgrades - Duffin Creek WPCP		40	-	-	-	-	-	-
Programmable Logic Controllers (PLCs) - Duffin Creek WPCP		-	200	300	-	-	400	900
232 Radio Network Upgrades - Duffin Creek WPCP		-	-	-	-	-	250	250
233 Reactor #3 ID Fan Replacement Parts - Duffin Creek WPCP		-	-	-	-	150	-	150

Durham 🕿					Forec	ast		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Reactor #4 ID Fan Replacement Parts - Duffin Creek WPCP		-	-	-	-	-	150	150
235 Reactor 1 and/or 2 Major Maintenance - Duffin Creek WPCP		-	100	100	-	-	-	200
236 Replace flowmeters and transmitters at Reactor 3 - Duffin Creek WPCP		-	-	-	-	-	150	150
Replace flowmeters and transmitters at Reactor 4 - Duffin Creek WPCP		-	-	-	-	-	150	150
Replace chlorine contact chamber 1/2 level sensors at effluent station 1. Replace chlorine injector, level sensors, pH/Temp AIT and TIT, and ORP transmitterat effluent station 2. Replace ORP Analyzer AIT-0113 at chlorine chamber 5-6 - Duffin Creek WPCP		-	105	-	-	-	-	105
Replace electrical substation TS-102 power supply to H2 sensor, Replace LITs for diesel generator fuel tanks. Replace flowmeters of diesel transfer pumps - Duffin Creek WPCP		-	-	-	-	-	190	190
Replace Fluke Processmeters and A Chamber LIT-0101 at Admin Building - Duffin Creek WPCP		-	23	-	-	-	-	23
Replace indicators (PIT, TIT, FIT) and humidification 241 system at the Stage 3 Headwork and Biofilter Areas - Duffin Creek WPCP		-	75	80	-	-	-	155
Replace LITs of primary scum tanks and raw sludge 242 density trainsmitters DITs at Stage 3 Primary Gallery - Duffin Creek WPCP		-	-	125	-	-	125	250

■ Durham					Forecas	t		
Durham Budget 820	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Replace LITs of Storage Tank 2,4,3 at Stage 3 Disinfection - Duffin Creek WPCP		-	-	-	-	-	45	45
Replace methane sensors, H2S sensors, PITs, TITs, 244 LITs, and FITs at Stage 2 Headworks - Duffin Creek WPCP		-	-	-	150	150	-	300
Replace transmitters (PITs, TITs, LITs, and AITs) at Reactor 3 - Duffin Creek WPCP		-	-	-	-	100	100	200
Replace transmitters (PITs, TITs, LITs, and AITs) at Reactor 4 - Duffin Creek WPCP		-	-	-	-	-	200	200
Replace transmitters (PITs, TITs, LITs, and AITs), 247 process and safety valves at the South Incineration Common Area - Duffin Creek WPCP		-	75	75	-	-	-	150
Replace transmitters (PITs, TITs, LITs, Vibration 248 Sensor, and AITs) at the North Incineration Common Area - Duffin Creek WPCP		-	100	-	100	-	100	300
Replace Wet Well No.1/No.2 LIT-0101/LIT-0102, strainer No.3 - No.5 differential pressure switches, and main header PIT-0192 at Stage 3 Effluent Pumping Station - Duffin Creek WPCP		-	-	-	-	-	70	70
250 Schwing Sludge Pump Major Component Replacement - Duffin Creek WPCP		-	125	-	125	-	250	500

Durham					Forecas	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
251 Secondary Clarifier (Circular) Gearbox - Duffin Creek WPCP		240	-	-	-	-	-	-
252 Secondary Clarifier (Circular) Major Repairs - Duffin Creek WPCP		-	150	150	150	-	-	450
253 Secondary Clarifier (Circular) Upgrades - Duffin Creek WPCP		-	200	200	200	-	-	600
254 Secondary Clarifier Chain and Flyght Replacement - Duffin Creek WPCP		-	100	100	100	-	-	300
255 Servers - Duffin Creek WPCP		-	-	100	-	-	100	200
256 Sludge Tank Cleaning - Duffin Creek WPCP		-	-	100	-	-	100	200
257 Uninterruptable Power Supplies (UPS) - Duffin Creek WPCP		-	-	-	-	250	300	550
258 VxRail Replacement Project (Virtual Server) - Duffin Creek WPCP		-	-	175	-	175	420	770
259 Analytical Balance (Inorganics) - Environmental Lab		-	25	-	-	-	-	25
260 Auto Titration System (Inorganic) - Environmental Lab		-	-	-	-	-	100	100
261 Autoclaves - Environmental Lab		-	-	-	-	-	150	150
262 Balances - Environmental Lab		-	-	-	-	-	52	52
263 Biochemical Oxygen Demand (BOD) Incubators - Environmental Lab		40	-	-	-	-	-	-
264 Biological Oxygen Demand Analyzer - Environmental Lab		11	-	-	-	60	-	60

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Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
265 Biosafety Cabinet - Environmental Lab		-	-	-	-	-	25	25
266 BOD Incubators (Inorganic) - Environmental Lab		-	-	-	40	-	-	40
267 Centrifuge (Inorganics) - Environmental Lab		12	-	-	-	-	-	-
268 PCR Equipment - Environmental Lab		-	295	-	-	-	-	295
269 Digestion Block with Controllers - Environmental Lab		80	-	-	-	-	-	-
270 Dishwasher - Environmental Lab		10	-	65	-	-	110	175
271 Drying Oven (MB) - Environmental Lab		-	-	-	-	-	3	3
272 Freezer - Environmental Lab		-	35	-	-	-	4	39
Gas Chromatograph / Dual Electron Capture Detector - Environmental Lab		-	-	75	-	-	-	75
Gas Chromatograph / Mass Spectrometer / MS (Extractables) - Environmental Lab		300	-	-	-	-	-	-
275 Incubators (Microbiology) - Environmental Lab		-	-	-	-	-	65	65
276 Inductively Coupled Plasma - Optical Emission Spectrometer - Environmental Lab		-	150	-	-	-	-	150
277 Ion Chromatograph - Environmental Lab		-	-	-	-	130	-	130
278 Lab Oven (Inorgranics) - Environmental Lab		-	-	-	-	-	15	15

Durham					Foreca	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
279 Liquid Chromatograph Mass Spectrometer - Environmental Lab		-	-	-	-	-	400	400
280 Media Preparing Equipment (Microbiology) - Environmental Lab		-	-	-	-	-	65	65
281 Mercury Analyzer (Cold Vapour Fluorescence / Atomic Absorption) - Environmental Lab		-	-	-	-	70	-	70
282 Microscope - Environmental Lab		75	-	-	-	-	30	30
283 Muffle Furnace - Environmental Lab		-	-	-	-	-	20	20
284 Nanodrop - Environmental Lab		-	25	-	-	-	-	25
285 Pharmacy Lab Refrigerator - Environmental Lab		-	-	-	-	-	15	15
286 Powder Containment System (MB) - Environmental Lab		-	-	-	-	-	6	6
287 Skalar Auto Sampler - Environmental Lab		-	-	-	-	25	-	25
288 Skalar Low P Analyzer - Environmental Lab		-	-	-	-	65	-	65
289 Skalar Segmented Flow Analyzer - Environmental Lab		-	130	-	-	-	-	130
290 Solids Manifold - Environmental Lab		20	-	-	-	-	-	-
291 SPME Gas Chromatograph / Mass Spectrometer / Mass Spectrometer - Environmental Lab		-	-	-	310	-	-	310
292 Turbovaps - Environmental Lab		-	36	-	-	-	-	36

Durham 🕿					Forecas	t		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
293 UV Spec. Plate Readers - Environmental Lab		-	30	-	-	-	-	30
294 Vacusafe (MB) - Environmental Lab		-	-	-	-	-	4	4
295 Water Purification System - Environmental Lab		25	-	-	-	-	30	30
296 Teleloggers - Environmental Services Design		-	5	5	5	5	20	40
297 Mechanical Bar screen Replacement - Lake Simcoe WPCP		-	-	100	-	-	-	100
298 RAS Piping - Nonquon WPCP		95	-	-	-	-	-	-
301 RAS Chamber Split - Plants North - Nonquon		-	75	-	-	-	-	75
302 Backflow Preventer Device Replacement - Port Darlington WPCP		29	-	-	-	-	-	-
303 Digester Mixing Pump Rebuild/Replacement - Port Darlington WPCP		-	-	-	-	20	20	40
Grit Blower Rebuild/Replacement - Port Darlington WPCP		-	-	-	-	-	20	20
Grit Pump Rebuild/Replacement - Port Darlington WPCP		-	-	10	-	-	10	20
306 RAS Pump - Port Darlington WPCP		-	-	-	15	-	30	45
307 Raw Sewage Pump - Port Darlington WPCP		-	-	-	-	50	50	100
308 Raw Sludge Pump - Port Darlington WPCP		-	-	15	-	15	15	45

Durham 🕿				Forecast				
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
309 Sodium Bisulfite HVAC - Port Darlington WPCP		135	-	-	-	-	-	-
310 Wasting Pump Rebuild/Replacement - Port Darlington WPCP		-	-	-	-	10	10	20
311 48" Round Shoring - Sunderland Depot		-	3	-	-	-	3	6
313 Pipe Locator - Sunderland Depot		-	3	-	-	-	3	6
314 Pressure Washer - Sunderland Depot		-	3	3	-	-	-	6
315 Snow Fence Replacement - Sunderland Depot		-	-	-	-	-	6	6
316 Temporary Traffic Control Sign replacement - Sunderland Depot		-	2	2	-	2	4	10
317 Trench box replacement - Sunderland Depot		-	-	-	-	-	5	5
318 Install AC for Blower Room - Uxbridge Brook WPCP		50	205	-	-	-	-	205
319 Mechanical Bar screen Refurbishment - Uxbridge Brook WPCP		-	100	-	-	-	-	100
320 Arc Flash Study Review - Water Pollution Control Plants		-	-	-	200	-	-	200
321 Electrical Equipment Replacements - WPCP Pumping Stations		50	110	110	50	110	100	480
Level Sensing Flow Meters - WPCP Pumping Stations - North		-	80	-	-	-	-	80
323 Pump Replacements - WPCP Pumping Stations - South		-	100	100	100	100	200	600

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Budget 20	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
324 Integrated Control Technology - Security Project - Duffin Creek WPCP		25	-	-	-	-	-	-
Machinery and Equipment Subtotal		61,829	70,076	43,577	61,263	80,977	213,243	469,136
Information Technology								
325 SCADA System Master Plan for the sanitary sewage pumping stations and implementation requirements		500	-	1,300	1,500	-	-	2,800
326 Standard Laptop		1	2	-	-	-	-	2
327 Power Laptop		13	22	2	6	6	7	43
328 Scanner and Wide Format Black & White Printer - Construction		-	-	-	22	-	-	22
329 UPS/Power PDU - Various Locations		-	-	192	-	-	384	576
GIS Hardware (Monitors, backup devices and other) - Data System Management		5	-	-	-	-	-	-
331 Tablet		6	-	-	-	-	-	-
332 Laptops - Duffin Creek WPCP		-	10	-	-	5	15	30
333 SCADA Programming Software Upgrade (ifix) - Duffin Creek WPCP		50	-	-	-	250	250	500
334 SCADA Workstations (Desktops) - Duffin Creek WPCP		10	10	10	10	10	50	90
335 Barcode Printers - Environmental Lab		8	-	-	-	-	-	-
336 LIMS Backup Server - Environmental Lab		-	40	-	-	-	-	40

Durham				Forecast							
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total			
337 LIMS Computer System - Environmental Lab		100	-	-	-	-	120	120			
338 LIMS Domain Controllers - Environmental Lab		-	-	-	50	-	-	50			
339 Power Laptop (with Monitor)		5	7	-	-	-	-	7			
340 Tablet - Environmental Services Design		-	4	4	4	4	20	36			
341 Computers & Monitors Refresh - Financial Services		265	205	63	254	208	860	1,590			
Fuel Management System & Infrastructure Replacement - Various Locations		-	-	217	-	-	-	217			
343 Mobile ERIS Equipment - Water Pollution Control Plants		-	-	12	-	-	-	12			
344 Server/Communications Equipment - WPCP Pumping Stations		-	150	-	-	-	-	150			
Information Technology Subtotal		963	450	1,800	1,846	483	1,706	6,285			
Vehicles											
345 1/2 Ton Pick-up Truck - Various Locations		-	134	28	28	56	84	330			
346 1 Ton High Roof Van - Ajax Depot		-	42	-	-	-	-	42			
347 Forklift - Various Locations		-	25	-	-	-	-	25			
348 Tractor - Ajax Depot		-	100	-	-	-	-	100			
349 Rubber tire roller compaction unit - Orono Depot		-	20	-	-	-	-	20			

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Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Asphalt Grinder Attachement (Skid Steer Loader) - Oshawa/Whitby Depot		-	-	-	8	-	-	8
351 Hybrid Van - Oshawa/Whitby Depot		-	17	-	-	-	-	17
352 Sidewalk Plow/Snowblower - Oshawa/Whitby Depot		-	-	-	-	-	50	50
353 Snow Blower for skid steer loader - Oshawa/Whitby Depot		-	10	-	-	-	-	10
354 Street Flusher - Oshawa/Whitby Depot		-	-	-	117	-	-	117
355 Street Sweeper attachment for Roadside Mower/Tractor - Oshawa/Whitby Depot		-	8	-	-	-	-	8
356 Tandem Axle Truck - Oshawa/Whitby Depot		-	-	-	-	-	83	83
357 Vactor 2100 - Oshawa/Whitby Depot		395	-	-	-	-	-	-
358 3/4 Ton Pick Up - Scugog Depot		-	28	-	-	-	-	28
359 Backhoe with Breaker Attachment - Sunderland Depot		-	125	-	-	-	-	125
Vehicles Subtotal		395	509	28	153	56	217	963

Durham 🕿					Forecas	t		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Furniture and Fixtures								
360 A/V Equipment and Technology Upgrades - Various Locations		10	10	10	10	10	20	60
361 Parts Cabinets - Ajax Depot		-	16	-	-	-	-	16
362 Office Chairs - Financial Services		-	1	1	1	1	4	8
Heavy Duty Steel Racking for Materials Storage Building - Orono Depot		-	65	-	-	-	-	65
364 Office Furniture - Various Locations		-	1	-	1	-	-	2
365 Parts Cabinets - Oshawa/Whitby Depot		-	109	-	-	-	-	109
Furniture and Fixtures Subtotal		10	202	11	12	11	24	260
Allowances & Other Provisions								
Regional Sewage Master planning study for the Regional Official Plan Review		600	-	-	-	-	800	800
367 Biosolids Master Plan		500	500	-	-	-	-	500
368 York Durham Sanitary Sewerage Master Plan		500	500	-	-	-	-	500
Inflow/infiltration monitoring, studies and required remedial works in various locations		-	500	500	500	500	2,500	4,500
370 Emergency Planning Updating Requirements		-	100	-	-	-	-	100
371 Asset Condition Assessments - Reports for the Vertical Assets		300	-	300	300	300	1,500	2,400

Durham					Foreca	st		
Budget 82	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total
Asset Condition Assessment/ investigation on trunk sanitary sewer/forcemain system		-	200	200	200	200	1,000	1,800
373 Climate Change Strategy Allowance		-	300	-	-	-	200	500
374 Allowance for Vulnerability Assessments for Water Pollution Control Plants		-	350	-	350	-	-	700
375 Allowance for acquisition of easements		100	100	100	100	100	500	900
376 Allowance for engineering studies		150	150	150	150	150	750	1,350
Phosphorus Reduction Study for Lake Simcoe Water Pollution Control Plants.		-	-	-	-	250	-	250
378 Preliminary engineering		100	100	100	100	100	500	900
379 Allowance for sundry extensions as per Council policy		15	15	15	15	15	75	135
380 Allowance for unknown requirements		100	100	100	100	100	500	900
Allowance for land severance review and drawing requirements		100	100	100	100	100	500	900
Allowance for Regional share for works in conjunction with residential subdivision development		2,000	2,000	2,000	2,000	2,000	10,000	18,000
Allowance for Regional share for works in conjunction with non-residential development		500	500	500	500	500	2,500	4,500
384 Allowance for intensification		350	350	350	350	350	1,750	3,150
Allowances & Other Provisions Subtotal		5,315	5,865	4,415	4,765	4,665	23,075	42,785

Durham			Forecast							
Durham Budget	Expenditure Category	2023 Proposed Budget	2024	2025	2026	2027	2028-2032	Forecast Total		
Sanitary Sewerage System Subtotal		147,452	343,922	302,022	249,876	211,886	1,155,490	2,263,196		
Total Sanitary Sewerage System		147,452	343,922	302,022	249,876	211,886	1,155,490	2,263,196		

^{*} Rows and columns may not add due to rounding

^{****} Appendix D includes financing of the following development charge shortfalls as follows:

	2023	2024	2025	2026	2027	2028 - 2032	Grand Total
DC Shortfall							
Residential DC Shortfall	-	97,362	59,557	69,298	12,000	146,982	385,199
Commercial DC Shortfall	-	-	-	-	-	14,442	14,442
Institutional DC Shortfall	169	622	461	454	245	1,637	3,588
Industrial DC Shortfall	10,215	16,002	26,555	29,249	9,385	109,392	200,798
Total DC Shortfall	10,384	113,986	86,573	99,001	21,630	272,453	604,027
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Shortfall Financing Source							
Rate Stabilization Reserve Fund - Sewer	-	58,469	22,439	-	-	55,284	136,192
Debenture - DC Funded	-	38,893	52,177	69,298	12,000	106,140	278,508
User Rate	10,384	16,624	11,957	29,703	9,630	111,029	189,327
Total Funding	10,384	113,986	86,573	99,001	21,630	272,453	604,027

^{**} Pre-construction capital financing includes expenditures for land purchases, utility relocates, preliminary studies, design, etc.

^{***} Projects with regularly recurring expenditures include allowances, machinery and equipment, information technology, vehicles and furniture and fixtures, etc. do not include separate pre-construction and contruction capital financing