

**Wastewater
2009 Budget Document**

Section I. Existing Services and Service Levels:

The Wastewater Program's mandate is to manage, collect and treat municipal wastewater and related support services in an efficient and customer focused manner which meet the needs and expectations of the customers of Peel Region while respecting the environment, and complying with respective legislation.

The key activities that the Wastewater Program is responsible for include:

1. Capital Works, Wastewater Treatment

- Management of Capital and Major Maintenance programs for the Regional Wastewater Treatment Plants as well as management of Contract Operations and Maintenance provided by Ontario Clean Water Agency (OCWA) for the treatment of Peel's Wastewater
- Regulatory Compliance, Monitoring and Reporting
- Wastewater Treatment Performance Assessment and Process Improvements

2. Capital Works, Wastewater Collection & Communal Treatment

- Environmental Assessments (EA) and Conceptual Designs
- Preliminary Design and Computer Aided Design (CAD) requirements for Wastewater Capital Projects
- Detailed Design and Construction Procurement
- Construction Contract Administration

3. Operations, Wastewater Collection & Communal Treatment

- Operation and Maintenance of the Linear Wastewater Collection System
- Odour and Corrosion Control as well as Communal Wastewater Treatment Systems
- Emergency Response to Blocked Laterals and System Surcharging
- Inspection and Flushing of Collection System
- Sewer repairs both mainline and laterals on municipal property

4. Wastewater Program Planning

- Capital Budget Programming and Development Charges Updates
- Current Budget Development Coordination
- Condition Assessment of Linear Sewer Infrastructure to determine repair\replace schedule
- Administration of Inflow and Infiltration Remediation Program
- Administration of Local Improvement Process for Wastewater System
- Staff Development in Leadership and Water & Wastewater Operator Training
- Technical review of Development Applications
- Wastewater System Modelling
- Business improvement facilitation services for Wastewater Division

5. Environmental Control

- Environmental Spill Response and Emergency Procedures Development
- Enforcement of the *Sewer Use By-Law*
- Laboratory Services to Analyze Wastewater Effluent for Treatment Facility and Industry Compliance
- Industry Inspections for Sewer Use Compliance Sewer Surcharge and Sewer Charge Appeals

The existing wastewater system consists of two lake-based wastewater treatment plants, one communal wastewater treatment plant, one odour/corrosion control facility, 36 wastewater pumping stations, over 3,185 kilometres of local and trunk sewer mains and over 45,937 manholes. The system is designed and managed in a manner so that all municipal wastewater is efficiently collected and treated from the 278,088 retail and wholesale customer accounts.

Key Initiatives in 2008 included:

Managed Existing and New Infrastructure to Sustain and Accommodate Growth

- Continued expansion of G.E. Booth (Lakeview) Wastewater Treatment Plant
- Reprioritization of long term capital plan to accommodate growth-related projects
- Enhanced coordination of capital work with area municipalities
- Commissioned Region's first Communal Treatment Plant

Promoted Environmental Protection and Stewardship through the Wastewater Program

- Continued improvements within the Inflow & Infiltration Program
- Working with large industrial sites to address the quality of their wastewater streams
- Enhanced coordination between the Region of Peel and the Toronto Region and Credit Valley Conservation Authorities

Provided Innovative, Leading Edge Services

- Continued enhancement of the wastewater system modelling software to accurately assess the impacts of proposed growth on the wastewater system
- 24 hour Emergency response to residential sewer lateral back-ups and inspection
- Award-winning operator training program
- Pilot Projects aimed at improving cash flow management in conjunction with Finance Support Unit and Co-ordination of Leadership Journey

Received Distinguished Awards

- Won the 2007 Ontario Public Works Association (OPWA) Project of the Year Award for the Clarkson Wastewater Treatment Plant expansion in the Environment Category for projects over \$10.0 million
- Presented the Award of Excellence from the Public Sector Quality Fair for the South Peel Water & Wastewater Capital Works Program
- The American Public Works Association (APWA) Distinguished Service Award was awarded to Ric Robertshaw, P. Eng., Director of Wastewater Program

Levels of Service

The Region carries out numerous activities on the wastewater system. These activities are achieved using internal resources, our major service provider Ontario Clean Water Agency (OCWA), external contractors and consultants, partnerships with area municipalities and conservation authorities, as well as provincial and federal government.

Regulations and Standards that mandate Service Level fall within the following consolidated laws:

- *Fisheries Act (R.S., 1985, c. F-14)*
- *Ontario Water Resources Act (R.S.O. 1990, Chapter O.40)*
- *Sustainable Water and Sewage Systems Act (S.O. 2002, Chapter 29)*
- *Environmental Protection Act (R.S.O. 1990, Chapter E.19)*
- *Environmental Bill of Rights (S.O. 1993, Chapter 28)*
- *Regional Municipality of Peel, By-Law Number 90-90 (Sewer Use)*

The Region of Peel's lake based wastewater treatment plants are Class IV, the communal wastewater plant in Inglewood is Class II, and the wastewater collection system is Class III. These Ministry of the Environment (MOE) classifications dictate the standards for operations and maintenance as described below.

The Certificates of Approval for wastewater treatment plants state the required MOE criteria for plant effluent quality and air emissions quality. Region of Peel's two lake-based wastewater treatment plants and the communal treatment plant are operated under contract by the OCWA. The service agreement that OCWA has with the Region of Peel requires standards of effluent quality that exceed the limits mandated by the MOE.

Wastewater services are operated 24/7, 365 days a year. Operations in the collection system have two shifts (day/afternoon) which provides for weekday 16 hour staff coverage, and on-call staff availability after hours to respond to customer needs. All operations staff is highly trained and is licensed under *O.Reg. 129/04 of the Ontario Water Resources Act (Licensing of Sewage Works Operators)*. Mandatory training is required on an ongoing basis for operations staff to retain and upgrade operating licences.

Peel Region's *Sewer Use By-Law* regulates discharges into the sanitary and storm sewers owned and operated by the Region. Peel's by-law establishes enforceable limits on materials which may result in untreated wastewater and other pollutants entering Lake Ontario, or any of its tributaries within Peel's boundaries. The *Sewer Use By-Law* authorizes the Region to apply Quality Sewer Surcharges to Industries who discharge such materials or untreated water into the sanitary sewers. There are currently 3 parameters under which these surcharges apply;

- Biochemical Oxygen Demand (BOD)
- Total Suspended Solids (TSS)
- Oil and Grease

Currently between 80/90 companies are on the Surcharge List.

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Section II. Resources to Deliver 2008 Services:

Current \$'000	2007 Actual	2008 Budget	2008 Projection	2008 Variance Under/(Over)
Total Expenditures	\$92,157	\$100,936	\$93,329	\$7,607
Fees and Service Charges	\$(1,065)	\$(651)	\$(876)	\$225
Contributions from Reserves	\$0	\$(2,373)	\$0	\$(2,373)
Levy, Billings and Holdback	\$(91,092)	\$(97,912)	\$(93,342)	\$(4,570)
Net Cost	\$0	\$0	\$(889)	\$889
FTE	101.0	130.0	121.0	9.0

2008 Budget:

As shown in the table above, the 2008 current total budget was approved at \$100.9 million. The budget can be divided into three main areas as follows:

1. Operations and Maintenance of the wastewater treatment plants and collection system - \$47.4 million
2. Contributions to Reserves - \$42.9 million
3. Support services for the operations and maintenance of the wastewater treatment plants and collection system - \$10.6 million

Operations and Maintenance:

The most significant costs in the operations and maintenance of the wastewater system are:

- Energy (Electricity and Natural Gas) - \$12.2 million
- OCWA South Peel Operations and Maintenance contract and additional services - \$11.7 million
- Salaries and Wages - \$9.7 million
- Chemicals - \$6.0 million

Contributions to Reserves:

In 2008, \$42.9 million will be contributed to the Capital Reserve for future wastewater infrastructure needs.

2008 Projection:

The Wastewater Program is projecting a net surplus of \$0.9 million by year end, mainly due to higher internal recoveries than budgeted and reduction in expenditures due to change in treatment processes.

It is important to note that the unit costs for chemicals and utilities have risen significantly in recent years. New processes and upgrades to the treatment plants have reduced substantially the consumption of natural gas. Peel Region's Corporate Energy Department now negotiates and sets the energy and natural gas rates, which has also contributed to a decrease of these costs.

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Output/Outcome Measure	2008 Target	2008 Projection	Variance Commentary
The number of inspections that are done per year by inspector.	7,200 per year	3,000 per year	Internal Audit completed an audit of the section and has identified that targets need to be re-set and staffing levels reviewed. Based on the first six months of the year, less than 17 per cent of the inspectors time is actually spent completing inspections, their target is 50 per cent of their time.
Sewer Flushing per Performance Std Based Target	1,032km	1,032km	This program is seasonal, so first and second quarter results do not often reflect that the program is on target.
Number of kilometres of sewer TV inspected per year	10 per cent of system/year	10 per cent of system/year	The target of TV Inspection of 10 per cent of the sewer system by December 2008 will be met based on current projections and contractual obligations.
Number of Capital Projects started	80 per cent by the end of 2008	78 per cent by the end of 2008	Two projects related to STAMP and a third project Bolton/Brampton Trunk Twinning, pending outcome of EA, are on hold. These would have brought the result to 85 per cent.
Number of Odour complaints per 1,000 people served for WWTP	< 1 per cent	< 1 per cent	Improvements were in place as of 2007, and odour complaints have subsequently decreased. In fact there was only one all year.

Section III. Performance Measurement/Benchmarking:

Wastewater Program staff recognizes benchmarking as a useful management tool that utilizes financial and performance data to assist in the decision-making process. The Wastewater Program has been participating in the Ontario Municipal CAO's Benchmarking Initiative (OMBI) since 1997 and the National Water and Wastewater Benchmarking Initiative (NWWBI) since 2000. In 2001, the Province of Ontario initiated the Municipal Performance Measurement Program (MPMP) as part of the annual Financial Information Report, which includes Wastewater Program Performance Measures.

In addition to the performance benchmarking initiatives above, the Region of Peel is also a member of the International Water Authority (IWA) Process Benchmarking Initiative. The purpose of this group is to investigate and benchmark the various organizational approaches and business processes involved in running the Wastewater Program.

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A summary of these measures is provided in Appendix VI. In 2007, the Region of Peel has performed well in Wastewater Program comparisons, as an example, ranking in the first quartile out of 15 Ontario municipalities for the following two measures:

- Volume of wastewater treated per capita
 - Indicates that Peel is a leader in water conservation, and that inflow and infiltration do not significantly impact the collection and treatment systems
- Operating cost associated with the collection of wastewater
 - Indicates efficient delivery of service, while meeting or exceeding legislative requirements

Section IV. 2009 Base Pressures:

In order to continue supporting the Regional Programs at the 2008 approved service level, there will be a decrease to the base cost for the Wastewater Program of \$384.0 thousand as explained below, and identified as “2009 Base Changes” in Appendix I.

Annualization:

N/A

Cost of Living Increase/Inflation:

Cost of Living Increase and Inflation – An increase of \$438.0 thousand is due to inflation, consumer price index, OCWA contract prices, and an increase of \$483.0 thousand is due to annual salary, wage, and benefit costs.

This \$921.0 thousand increase in cost of living is mitigated by savings in Natural Gas and Hydro costs of \$1.3 million due to a combination of process changes and the impact of Corporate Energy’s purchasing initiatives. This leads to a net base reduction of \$384.0 thousand in 2009, as compared to 2008.

Section V. Cost Mitigation Through Efficiencies and Recoveries:

Efficiencies:

Upgraded processes at the Treatment Plants and the positive impact of Corporate Energies purchasing strategies have resulted in substantial savings of \$1.3 million in the cost of Natural Gas for 2009.

Significant efficiencies related to the installation of linear infrastructure have been realized through regular coordination meetings with the area municipalities. Through these meetings, the program is better able to plan capital works to coincide with the work of the area municipality. For example, there is a cost savings associated with undertaking linear sanitary sewer work at the same time the area municipality is performing sub-grade work. These co-ordinated efforts provide economic benefits in addition to contributing to improved trust and confidence, and reduced impact on residents.

Recoveries:

The Wastewater Program Planning section is working in partnership with Wastewater Operations and Revenue Management, in order to develop a list of possible illegal sewer connections within the Region of Peel. The list is based on areas where local improvements have taken place but where there is no registered connection with the Region of Peel. Operations staff then investigates the identified area to determine which sewer connections are illegal (i.e. not contributing to the Utility Rate). To date, approximately 40 residences have been investigated, out of which three were found to be unregistered connections.

Section VI. Challenges and Emerging Trends:

1. The Wastewater Program continues to see high rates of growth in terms of installation of linear infrastructure related to development.
2. Over the past several years, the directional drilling (or tunnelling) method of installing linear infrastructure has become increasingly popular. It dramatically reduces the construction impacts on the public, and the environment due to the fact that there is no open excavation. This method has generally a higher cost associated with it due in part to the limited number of contractors available to do the work. It is anticipated that this method will continue to be a viable option and may result in overall program cost increases.
3. An aging workforce, retirements and shortage of skilled workers have resulted in challenges for all the programs.
4. Legislation for sustainable full cost recovery – *Bill 175 Sustainable Water and Sewer Systems Act* along with the proposed Public Sector Accounting Board (PSAB) standards and Tangible Capital Asset Accounting (TCAA) standards, will require that long term sustainability plans are put in place and that municipalities account appropriately for capital infrastructure. The Wastewater Program will be required to provide extensive input to Corporate Finance in order to meet the needs of the legislation.
5. Over the past several years, energy (electricity and natural gas) unit costs have increased significantly. This trend is not expected to change.
6. The unit cost and demand for treatment chemicals continues to rise as raw materials worldwide increase in price. The operator OCWA at the South Peel facilities is able to purchase chemicals at a bulk rate for all of its customers, which mitigates the impact of rising chemical costs for the Region of Peel. The Contract with OCWA is being extended for one year as negotiations and the terms of a possible new contract, or in house operations are being explored.
7. The Region's sewer infrastructure continues to age and requires more investment in preventative maintenance and inspection. The Wastewater Program is working with Corporate Asset Management to develop a comprehensive asset management plan for the future.

Section VII. 2009 Program Pressures – Current:

The new budget pressures for the Wastewater Program in 2009 total \$1.2 million, which are mitigated by the base change decrease of \$384.0 thousand mentioned earlier under 2009 Base Pressures, to net the total expenditure increase required in 2009 over 2008 at \$791.0 thousand or 0.78 per cent, and are identified in [Appendix I](#).

Growth:

The growth element of the new budget pressures in 2009 are made up as follows; staffing \$224.0 thousand and the purchase of safety and other equipment \$151.0 thousand.

Service Demand:

The service demand element of the new budget pressures in 2009 are made up as follows; staffing \$92.0 thousand and the purchase of maintenance tools and equipment \$142.0 thousand.

Reserve Contributions:

The new budget pressures in the 2009 budget include an increase to the Wastewater Reserve Contributions of \$566.0 thousand.

Other Pressures:

Fees and Charges for the 2009 budget are expected to increase by \$84.0 thousand or 12.8 per cent over the 2008 level.

Staffing:

The Wastewater Program is requesting an increase of six additional full-time equivalents (FTEs) in 2009 in order to support the program. Wastewater had 130 Council approved FTEs in 2008. The reorganization of Environment, Transportation and Planning Services Department (ETPS) has resulted in nine of these FTEs being transferred out to the Operations Support group. The net result of these changes, with the addition of the new FTEs being requested in this budget will bring the new proposed complement in the Wastewater Program to 127 FTEs. Staffing details can be found in [Appendix VII](#).

User Fees:

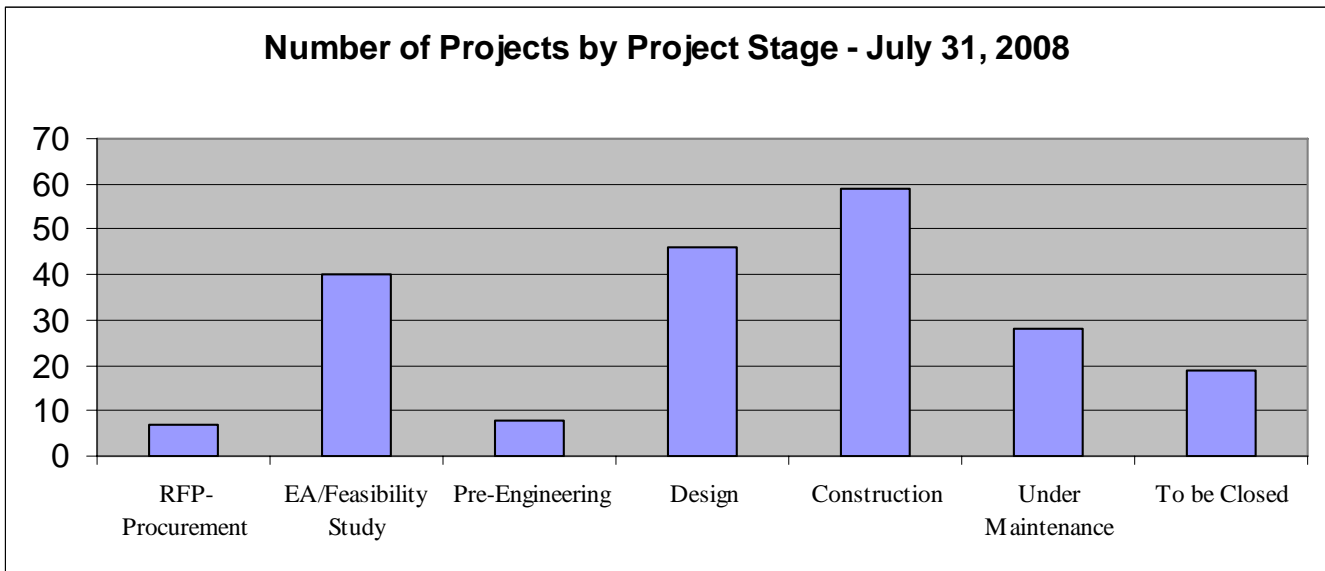
There were some increases to the user fees for 2009, which are necessary to better reflect the recovery of the true costs of the services provided. Details of Wastewater User Fees are listed in [Appendix VIII](#).

Section VIII. 2009 Program Pressures – Capital:

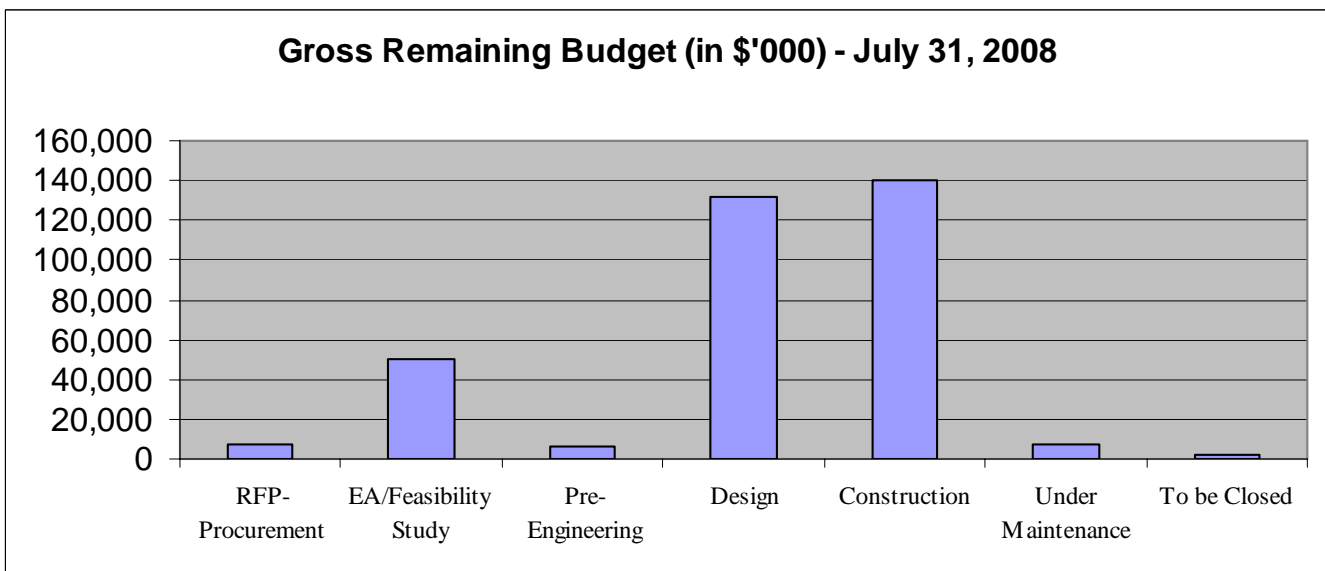
Ongoing Capital Projects

At the beginning of 2008, there were 219 active projects that had been approved by Council. From January 1 to July 31, 2008, 23 capital Wastewater projects were completed and closed. These projects returned \$5.6 million back to reserves.

Based on the results as of July 31, 2008, there were 207 active Wastewater projects with a total value of \$927.9 million. From that total, \$581.9 million or 62 per cent has been spent, leaving approximately \$346.0 million worth of work yet to be completed.



Active capital projects progress through several stages during their lifecycle, the graph above shows the number of projects in the Wastewater Program by project stage as of July 31, 2008.



Active capital projects progress through several stages during their lifecycle, the graph above shows the Gross Remaining Budget in the Wastewater Program by project stage as of July 31, 2008.

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Accomplishments in 2008

In 2008, it is anticipated that \$105.2 million will have been spent in the Wastewater capital budget. Appendix II shows that as of July 31, 2008, \$55.2 million had been spent. A further \$50.0 million is expected to be spent by year end.

What Drives the Wastewater Capital Program

The capital program is driven by many factors, such as growth, the rate of growth, age and condition of infrastructure and rising costs. Many of these drivers are common to the other ETPS Programs. A major contributor to the rising costs of the capital program is in the use of tunnelling to install linear infrastructure. This method of construction has a higher cost than the traditional open cut excavations. During the Environmental Assessment stage of a capital project, this method is usually preferred by the public and agencies as it is considered more environmentally friendly, and dramatically reduces inconveniences associated with the dust, dirt and traffic congestion of open cut excavations.

Major Wastewater Impacts:

The Wastewater 2009 Capital Budget and Forecast was impacted by the following specific factors:

- Detailed cost estimates based on Environmental Assessments and Detailed Designs that were completed recently for many projects
- A greater number of projects being estimated on the basis of tunnelling rather than open cut construction
- A general increase in overall project and unit costs.

2009 Capital Program

The following table provides a summary of the value of the new capital plan for 2009, including the carry forward capital balance from 2008, and total capital available for the Wastewater Capital Program to spend in 2009.

Carry –Forward from 2008 \$'000	2009 New Capital \$'000	2009 # of Planned and New Projects	Total Capital Available \$'000	2010 – 2018 Forecast \$'000	2010 - 2018 # of New Projects
\$296,028	\$222,488	28	\$518,516	\$646,063	43

In addition to the carry forward of approved projects for 2008 in the amount of \$296.0 million, new capital for already planned and new projects totalling \$222.5 million is being requested in 2009 for Wastewater capital projects. This represents no increase from the capital requirement as projected in the 2008 budget process. Details of Wastewater Capital Program can be found in Appendix II, III, IV and V.

When considering this summary, it is important to note that due to the appreciable and necessary lead time involved in many projects (changes to EA requirements, preliminary detailed design, property acquisitions, utility relocations and coordination with other jurisdictions), commitments need to be identified a number of years in advance of the project actually going to construction. It should be noted

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also that, while \$518.5 million in capital may be available to be spent in 2009, the cash flow will occur over the course of a number of years.

Major drivers to the 2009 Capital Budget Program

The 2009 Capital Budget for the Wastewater Program is \$222.5 million. This represents no change to the amount projected in 2008 for the anticipated 2009 Capital Budget.

The Wastewater Capital Program continues to be very active. Previously planned projects for 2009 as presented in the 2008 budget total \$155.8 million.

In addition, the Wastewater Capital Program is requesting additional funding for 17 existing projects due to CPI, changes in scope of work, including tunnelling resulting from EA or design recommendations totalling \$47.8 million. These projects are also detailed in Appendix V and the most significant projects impacted are listed below:

- Cooksville Creek Diversion Sewer \$11.3 million
- Dixie Road from Countryside Drive to north of Mayfield Road \$8.2 million
- Etobicoke Creek Trunk Sewer Twinning \$6.6 million
- Lakeview Wastewater Treatment Facility – Biosolids expansion and upgrades \$6.5 million
- Castlemore Road Trunk Sewer from Clark Drive to Highway 50 \$6.1 million

The 2009 Capital Budget is requesting approval of \$18.7 million in new projects. These are detailed in Appendix V and are summarised below:

- Burnhamthorpe Road 600MM Sanitary Sewer from west of Hurontario Street to Cooksville Creek Trunk Sewer \$3.7 million.
- Countryside Drive 525MM Sanitary Sewer from Dixie road westerly in conjunction with City of Brampton's widening of Countryside Drive \$2.4 million
- Local Improvement Inglewood Sanitary Sewer System \$1.6 million
- City Centre Drive, Mississauga Sanitary Sewer from Duke of York Blvd, Kariya Gate and Burnhamthorpe Road to West of Hurontario Street \$1.6 million
- Chinguacousy Forcemain and Pumping Station \$1.1 million
- 10 additional smaller projects totalling \$8.3 million

This additional funding totalling \$66.5 million can be accommodated within the guidelines of the three year rule for capital expenditures due to a number of components or phases of six existing projects totalling \$63.3 million being deferred to 2010 and beyond and two projects no longer being required totalling \$3.2 million, netting the overall Wastewater Capital Program to require no increase from the 2009 Capital Budget projected in 2008.

Capital Budget Outlook – Ten Year Plan Comparison (2009 – 2018)

The 2009 Capital Budget and Forecast to 2018 for Wastewater Program is \$868.6 million, an \$85.0 million increase over the 2009 Capital Budget Projection anticipated in 2008.

This \$85.0 million includes the \$66.5 million explained above plus additions and upgrades to Wastewater Treatment Facilities in the amount of \$18.5 million.

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Section IX. 2009 Summary:

Budget Summary \$'000s	2008 Budget	2008 Projection	2009 Proposed	2010 Forecast	2011 Forecast
Current Budget – Total Expenditures	\$100,936	\$93,329	\$101,728	\$104,919	\$107,654
Fees and Service Charges	(\$651)	(\$876)	(\$735)	(\$802)	(\$766)
Contributions from Reserves	(\$2,373)	\$0	\$0	\$0	\$0
Net Expenditure before Billings	\$97,912	\$92,453	\$100,993	\$104,117	\$106,888
Levy, Billings and Holdback	(\$97,912)	(\$93,342)	(\$100,993)	(\$104,117)	(\$106,888)
Net Expenditure after Billings	\$0	(\$889)	\$0	\$0	\$0
FTE	130.0	121.0	127.0	133.0	140.0
Capital Carry Forward from prior year			\$296,028	\$390,517	\$541,728
New Capital			\$222,488	\$275,796	\$47,495
Total Capital Available			\$518,516	\$666,313	\$589,223
Forecasted Capital Spending			\$127,999	\$124,585	\$144,823

Future Outlook:

2010 and 2011 Current Budget:

The 2009 Wastewater budget reflects some increases due to higher than base inflation on key commodities including; electricity, natural gas and chemicals. The wastewater system continues to grow as development progresses and other areas concentrate on intensification, which will require additional resources to maintain the same level of service.

The estimated budget costs for fiscal 2010 and 2011 will potentially be driven by the following factors:

- Inflationary pressures on commodity use
- Increased reserve contributions to fund infrastructure replacement and renewal
- Efficiencies realized through Corporate reorganization

The estimated net budgets (before billings) for the Wastewater program are expected to be:

2010: \$104,117

2011: \$106,888

2010-2018 Capital Plan:

The current long term forecast is presented in [Appendix V](#). Although the Ten Year Plan has increased between 2008 and 2009, there is potential for it to increase further as the Region accommodates various growth scenarios, namely, greenfield or intensification. The limits imposed on greenfield development in north Peel will result in a gradual shift to more intensification-based developments. In general, the

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trend towards tunnelling has a higher cost associated with it. This appears to be becoming the preferred construction method by agencies and residents to mitigate environmental impact, traffic and construction impacts.

It is anticipated that the CPI and other construction costs will continue to rise and will continue to impact our ten year capital plan.

Service Level Contract for 2009:

Resources:

The proposed 2009 Total Budget is \$101.7 million, which represents an increase of \$0.8 million, or 0.8 per cent over 2008.

The Wastewater Program is requesting six additional FTEs in 2009 in order to support current service levels.

The 2009 Capital Budget for Wastewater totals \$222.5 million in new projects and additional funding for existing projects funded as follows, Development Charges 85.2 per cent (189.6 million), External Recoveries 1.2 per cent (2.6 million), and Reserves 13.6 per cent (30.3 million).

Proposed Outputs/Outcomes for 2009:

Measure	2008 Projection	2009 Target	Commentary
The number of inspections that are done per year by inspector	3,000 per year	5,000 per year	Targets for 2008 have been revised down from 7,200 and review of the process is underway (Report pending).
Sewer Flushing per Performance Std Based Target	1,032km	1,060km	Sewer mains lengths increase each year through growth. So the target increases each year.
Number of kilometres of sewer TV inspected per year	10 per cent of system/year	10 per cent of system/year	The program is completed by outside contractors. Sewer mains lengths increase each so the target increases each year through growth.
Number of Capital Projects started	78 per cent by the end of 2008	80 per cent by the end of 2009	Consistent with 2008.
Number of Odour complaints per 1,000 people served for WWTP	< 1 per cent	< 1 per cent	The Program does not expect odour complaints due to process improvements which were undertaken to mitigate odour concerns related to Biosolids handling at the Wastewater treatment facilities.

Section X. Pressures not included in 2009 Budget:

Although the impacts of the Public Sector Accounting Board (PSAB) and related Tangible Capital Asset Accounting (TCAA) were discussed previously, the final impacts on the Wastewater Program have yet to be determined.

Challenges and Emerging Trends:

- Continuing high rates of growth through new development and intensification
- Aging infrastructure and increasing need for rehabilitation
- Increasing accountability of overall environmental stewardship
- Aging workforce and shortage of skilled/licensed workers
- Increasing insurance rates resulting in higher capital costs
- Greater project complexity and scope

Appendices:

Appendix I	2009 Current Pressures
Appendix II	2009 Capital Overview
Appendix III	Existing Capital Project List
Appendix IV	2009 New Capital Detail
Appendix V	Ten Year Capital Plan
Appendix VI	Performance Measures/Benchmarks
Appendix VII	Staffing Information
Appendix VIII	User Fees

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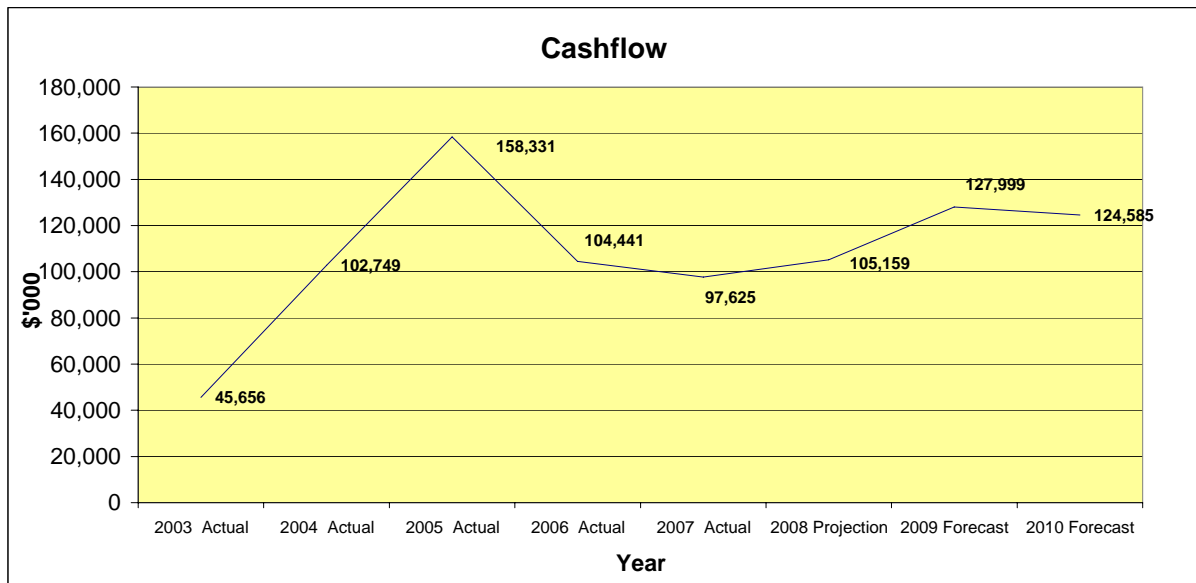
**APPENDIX I
WASTEWATER
2009 CURRENT PRESSURES (\$'000)**

	Wastewater		
	Total Expenditures	Total Revenue	Net Cost
2008 Revised Cost of Service	100,937	3,024	97,913
Annualizations			
N/A	-	-	-
<i>Subtotal</i>	-	-	-
Cost of Living Increase/Inflation - Section IV			
1 CPI, Fuel Costs, OCWA, Goods and Services	438	-	438
2 Staffing	483	-	483
<i>Subtotal</i>	921	-	921
Efficiencies - Section V			
1 Hydro and Natural Gas	(1,305)	-	(1,305)
<i>Subtotal</i>	(1,305)	-	(1,305)
2009 Base Changes	(384)	-	(384)
Growth - Section VII			
1 Staffing	224	-	224
2 Health and Safety, Regulatory and Other Equipment	151	-	151
<i>Subtotal</i>	375	-	375
Service Demand - Section VII			
1 Staffing	92	-	92
2 Maintenance and Equipment	142	-	142
<i>Subtotal</i>	234	-	234
Reserve Contributions - Section VII			
1 Reserve Contribution - York/Peel	566	-	566
<i>Subtotal</i>	566	-	566
Other - Section VII			
1 Fees and Charges	-	84	(84)
<i>Subtotal</i>	-	84	(84)
2009 New Pressures	1,175	84	1,091
Total 2009 Pressures	791	84	707
2009 Recommended Cost of Service including Adjustment	101,728	3,108	98,620
Add back: Adjustment from Reserve Contributions	-	(2,373)	2,373
2009 Recommended Cost of Service	101,728	735	100,993

**APPENDIX II
WASTEWATER
2009 CAPITAL OVERVIEW**

Existing Capital Program (\$'000)							
Year of Projects	Carry-forward from 2007	2008 Budget	Total Approved Capital	In-Year Adjustments as at July 31, 2008	2008 Projected Spending (Includes Closed Projects)	2008 Carry-forward to 2009	# of Projects Carry-forward to 2009
1991	1,027		1,027		514	514	1
1996	44		44		0	44	1
1999	1,873		1,873	-42	876	955	6
2000	29		29		4	25	2
2001	2,901		2,901	-136	1,332	1,433	5
2002	28,368	0	28,368	-2,020	4,162	22,187	14
2003	82,970	1,120	84,090	257	37,588	46,759	20
2004	38,113	0	38,113	-827	2,201	35,085	19
2005	55,573	19,081	74,654	-1,177	20,074	53,403	26
2006	43,364	7,185	50,549	-1,710	12,070	36,770	32
2007	48,893	11,420	60,313	-3,677	10,566	46,071	30
2008	2,627	61,457	64,084	4,473	15,774	52,784	51
Total	305,782	100,263	406,045	-4,859	105,159	296,028	207

2009 - 2018 Capital Plan (\$'000)					
Carry-forward from 2008	2009 Budget	2009 # of Planned and New Projects	Total Capital Available	2009 Total # of Projects	2010 - 2018 Forecast
296,028	222,488	28	518,516	235	646,063



Commentary on Cash Flow Variance:

Highlevel commentary on the Cash Flow Plan: The increased cash flow reflects the increased project costs and the fact that several very large projects are expected to commence design and or progress to construction in 2009 including expansion of Clarkson WWTP, replacement of the fourth incinaretor at Lakeview WWTP, Cooksville Creek Diversion Sewer, Mississauga Road Trunk Sewer from Queen Street West to Bovaird Drive, West Trunk Sewer Twinning from Highway 401 to north of the QEW, Etobicoke Creek Trunk Sewer Twinning, Dixie Road from Countryside Dr to 500 metres north of Mayfield and Installation of permanent flow monitors on the Regions Trunk Sewer.

**APPENDIX III
WASTEWATER
EXISTING CAPITAL PROJECT LIST**

As of July 31, 2008

Project	Description	Gross Revised Budget	Gross Project Actuals	Gross Carry-Forward	Net Revised Budget	Net Project Actuals	Net Carry-Forward	Net % Spent
002110	Hwy 410 Design Cross OVERBUD	50,000	50,000	-	50,000	50,000	-	100.00
012115	Coleraine Dr	5,733,702	4,749,998	983,704	5,733,702	4,749,998	983,704	82.84
012170	Trenchless Spot Repairs	146,280	132,536	13,744	146,280	132,536	13,744	90.60
012250	Bexhill Forcemain/Orr 2000-147	1,176,705	825,358	351,347	1,176,705	825,358	351,347	70.14
012290	South Miss Sewer Relining(Old)	862,849	595,435	267,414	862,849	595,435	267,414	69.01
022050	Trenchless Spot Repair 2002-7	146,339	116,769	29,570	146,339	116,769	29,570	79.79
022240	South Mississauga 2002-7	2,417,447	887,167	1,530,280	2,417,447	887,167	1,530,280	36.70
022270	Port Credit Sew/Forcemn 2002-7	175,700	125,581	50,119	175,700	125,581	50,119	71.47
022520	Sewer Relining 2002-7	1,222,452	864,776	357,676	1,222,452	864,776	357,676	70.74
032015	Instr Surge Protect 02-1190	87,750	33,278	54,472	87,750	33,278	54,472	37.92
032050	Trench Spot Rep 02-1190	146,250	113,191	33,059	146,250	113,191	33,059	77.40
032120	Somers Glen Estates 02-1190	403,053	403,047	6	403,053	403,047	6	100.00
032130	Wellingdale Subdiv 02-1190	515,102	387,963	127,139	515,102	387,963	127,139	75.32
032150	Brampton Heights 02-1190	548,178	461,938	86,240	548,178	461,938	86,240	84.27
032151	Mullet Ck Trunk Sew 02-1190	3,039,792	223,657	2,816,135	3,039,792	223,657	2,816,135	7.36
032185	Future Confed Pkwy I 02-1190	584,737	557,858	26,879	584,737	495,243	89,494	84.69
032196	Castlepoint Phase I 02-1190	248,625	164	248,461	248,625	164	248,461	0.07
032210	Bol/Bmpt Trunk Sew Twn02-1190	8,951,650	7,967,070	984,580	8,951,650	7,967,070	984,580	89.00
032215	Steeles Ave W Tk Sew 02-1190	87,750	3,905	83,845	87,750	3,905	83,845	4.45
032280	900MM Hwy 407 Corrdr 02-1190	27,709,484	20,732,157	6,977,327	27,709,484	20,725,523	6,983,961	74.80
032320	Centennial Park 02-1190	381,321	316,027	65,294	381,321	316,027	65,294	82.88
032810	Serv/Settle Master Pln 02-1190	321,264	200,333	120,931	321,264	200,333	120,931	62.36
042050	Spot Repairs 04-68	146,250	126,041	20,209	146,250	126,041	20,209	86.18
042115	Bramalea Road	476,190	3,889	472,301	476,190	3,889	472,301	0.82
042121	Partacc Developments	754,504	570,337	184,167	754,504	570,337	184,167	75.59
042122	Future Webb Drive San, 04-68	639,512	527,995	111,517	639,512	527,995	111,517	82.56
042145	Future Van Kirk Drive	639,319	525,858	113,461	639,319	525,858	113,461	82.25
042159	Future Thordade Road 04-68	329,365	1,111	328,254	329,365	1,111	328,254	0.34
042250	Bolton/Brampton Tst 04-68	32,818,749	1,238,420	31,580,329	32,818,749	1,238,420	31,580,329	3.77
042310	Vista Drive	484,142	292,686	191,456	484,142	292,686	191,456	60.45
042315	Weybridge Trail 03-1158	175,950	135,212	40,738	175,950	135,212	40,738	76.85
042316	Watermain/Cont. on Peel Centre	366,000	313,306	52,694	366,000	313,306	52,694	85.60
042321	Streetsville 04-68	1,273,661	702,051	571,610	1,273,661	702,051	571,610	55.12
042391	Steeles Avenue West 04-68	51,090	35,657	15,433	51,090	35,657	15,433	69.79
042525	Hydrogen Sulp. Corp Con.04-68	1,365,959	742,301	623,658	1,365,959	742,301	623,658	54.34
042705	LI South Sheridan CLOSEOUT	141,680	116,154	25,526	116,615	91,089	25,526	78.11
042715	LI Camilla Place #2004-605	327,000	252,081	74,919	249,950	225,031	24,919	90.03
042720	LI Sewer Tortoise Court04-675	705,600	510,821	194,779	322,554	254,664	67,890	78.95
052108	Mississauga Road 04-1280	9,194,000	137,477	9,056,523	9,194,000	137,477	9,056,523	1.50
052152	Mullet Creek N 407 04-1280	2,316,950	42,911	2,274,039	2,316,950	42,911	2,274,039	1.85
052197	New Twin Forcemn PS 04-1280	1,322,800	64,375	1,258,425	1,322,800	64,375	1,258,425	4.87
052305	Sanitary Sew Spot Rep 04-1280	300,000	281,983	18,017	300,000	281,983	18,017	93.99
052330	Jessie St. OVERBUD	75,726	72,561	3,165	75,726	72,561	3,165	95.82
052381	Sewer Realign Missga 04-1280	500,002	479,095	20,907	500,002	479,095	20,907	95.82
052382	Sewer Realign Bmpt 04-1280	500,001	471,822	28,179	500,001	471,822	28,179	94.36
052384	Access to Buried Manholes	1,135,000	8,639	1,126,361	1,135,000	8,639	1,126,361	0.76
052386	Safety Platform Replc 04-1280	250,000	203,439	46,561	250,000	203,439	46,561	81.38
052405	Odour Control 04-1280	1,000,000	23,075	976,925	1,000,000	23,075	976,925	2.31
052410	E Bmpt Tk Hydrau Impv 04-1280	1,548,000	1,433,075	114,925	1,548,000	1,433,075	114,925	92.58
052420	Trunk Sewer Rehab 04-1280	2,785,000	2,463,951	321,049	2,785,000	2,463,951	321,049	88.47
052425	Cooksville Ck Trunk 04-1280	575,000	69,277	505,723	575,000	69,277	505,723	12.05
052510	Inflow/Filtration Stdy 04-1280	543,000	415,760	127,240	543,000	415,760	127,240	76.57
052520	Wstwater Asset Mgt 04-1280	750,000	119,127	630,873	750,000	119,127	630,873	15.88
052540	Review San Sewer Ease 04-1280	100,000	2,104	97,896	100,000	2,104	97,896	2.10
052545	Sew PS Rehab Repl 04-1280	325,000	123,482	201,518	325,000	123,482	201,518	37.99
052550	Wstwater Serv Master 04-1280	200,000	200,000	-	200,000	200,000	-	100.00

**APPENDIX III
WASTEWATER
EXISTING CAPITAL PROJECT LIST**

As of July 31, 2008

Project	Description	Gross Revised Budget	Gross Project Actuals	Gross Carry-Forward	Net Revised Budget	Net Project Actuals	Net Carry-Forward	Net % Spent
062006	Cooksville Creek- "MNT"	55,000	54,089	911	55,000	54,089	911	98.34
062015	Segment Flow Analy 05-1496	110,000	4,379	105,621	110,000	4,379	105,621	3.98
062109	Dixie Road 05-1496	591,280	278,502	312,778	591,280	278,502	312,778	47.10
062165	Central Pkwy 05-1496	378,005	133,823	244,182	378,005	133,823	244,182	35.40
062198	Hwy 410 Crossing 05-1496	204,406	1,247	203,159	204,406	1,247	203,159	0.61
062301	Castelmore Road CLOSEOUT	75,000	65,459	140,459	75,000	65,459	140,459	-87.28
062306	Caterpillar Road 05-1496	478,360	326,359	152,001	478,360	326,359	152,001	68.22
062320	Front Street 05-1496	292,349	134,941	157,408	292,349	134,941	157,408	46.16
062381	Sewer Relining Miss 05-1496	500,000	456,299	43,701	500,000	456,299	43,701	91.26
062382	Sewer Reline Bmpt 05-1496	500,000	453,967	46,033	500,000	453,967	46,033	90.79
062383	Sewer Relining Caledon	100,000	93,860	6,140	100,000	93,860	6,140	93.86
062405	Port Credit Sew Trunk 05-1496	1,400,000	63,288	1,336,712	1,400,000	63,288	1,336,712	4.52
062415	CPR Interceptor 05-1496	1,809,557	40,652	1,768,905	1,809,557	40,652	1,768,905	2.25
062420	Trunk Sew Rehab 05-1496	56,688	56,684	4	56,688	56,684	4	99.99
062510	Inflow Infiltra Study CLOSEOUT	350,000	391,220	41,220	350,000	391,220	41,220	111.78
062520	Credit Valley Trnk Sew 05-1496	1,800,000	318,799	1,481,201	1,800,000	318,799	1,481,201	17.71
062525	Etok Creek Trnk Twin 05-1496	514,884	191,907	322,977	279,868	114,138	165,730	40.78
062540	Clarkson Wstwat Treat 05-1496	1,400,000	359,551	1,040,449	1,400,000	359,551	1,040,449	25.68
062545	Lornewood Creek 05-1496	400,000	123,304	276,696	400,000	123,304	276,696	30.83
062550	York/Peel Wastewater	125,000	31,227	93,773	125,000	31,227	93,773	24.98
062720	LI Inglewood Village 2006-330	8,243,955	608,325	7,635,630	5,360,183	72,041	5,288,142	1.34
062730	LI City of Brmpt Wd #6/06-208	2,120,000	1,968,117	151,883	1,333,406	1,228,747	104,659	92.15
062810	Sevicing&Settlement 05-1496	150,000	1,185	148,815	150,000	1,185	148,815	0.79
062960	Intermodal SPS Septic Rec. Sta	1,050,000	82,237	967,764	1,050,000	82,237	967,764	7.83
072165	The Gore Road North of Castlem	1,926,000	2,078	1,923,922	1,926,000	2,078	1,923,922	0.11
072170	LI - Walnut Rd. 2007-643	344,000	334,335	9,665	344,000	334,335	9,665	97.19
072180	Kennedy Road - Mayfield West	-	-	-	-	-	-	-
072182	Mississauga Road Sanitary Sewe	562,925	86	562,839	562,925	86	562,839	0.02
072185	Kennedy Road - Mayfield West	947,870	25	947,845	947,870	25	947,845	0.00
072190	Mayfield Road - Mayfield West	1,371,500	22,200	1,349,300	1,371,500	22,200	1,349,300	1.62
072307	Mayfield Road Sanitary Forcema	2,090,920	3,517	2,087,403	2,090,920	3,517	2,087,403	0.17
072310	Preplace Sanitary Sewer	250,000	185,408	64,592	250,000	143,531	106,469	57.41
072385	CN RAILWAY EXPANSION	100,000	5,951	94,049	100,000	5,951	94,049	5.95
072390	Inflow and Infiltration Remedi	350,000	38	349,963	350,000	38	349,963	0.01
072395	Sewer on Dundas/Stavebank	475,000	469,244	5,756	475,000	469,244	5,756	98.79
072420	Trunk Sewer Rehabilitation	-	6,552	6,552	-	6,552	6,552	-
072425	Credit Valley Trunk Sewer Reha	2,750,000	2,158	2,747,842	2,750,000	2,158	2,747,842	0.08
072430	Odour and Corrosion Control	1,285,000	12,173	1,272,827	1,285,000	12,173	1,272,827	0.95
072500	Wastewater studies CLOSEOUT	350,000	234,931	115,069	350,000	234,931	115,069	67.12
072510	Inflow and Infiltration studie	350,000	136,133	213,867	350,000	136,133	213,867	38.90
072520	Flow Monitoring Studies	75,000	-	75,000	75,000	-	75,000	-
072535	Sanitary Sewer Inspection	800,000	421,630	378,370	800,000	421,630	378,370	52.70
072540	Mclaughlin Road - FLetchers Cr	400,000	11,547	388,453	400,000	11,547	388,453	2.89
072701	LI - Credit. /Churchvi-2007-64	2,412,250	672,005	1,740,245	1,508,239	66,964	1,441,275	4.44
072705	LI-Sanitary Sewer on South She	127,001	19,163	107,838	89,295	1,381	87,914	1.55
082000	Unallocated Funds	1,958,000	-	1,958,000	1,958,000	-	1,958,000	-
082001	Pre-Engineering and Design	75,000	15,832	59,168	75,000	15,832	59,168	21.11
082005	Restoration Works	50,000	-	50,000	50,000	-	50,000	-
082013	Service Planning Information M	1,150,000	-	1,150,000	1,150,000	-	1,150,000	-
082014	Wastewater Information Managem	1,155,000	-	1,155,000	1,155,000	-	1,155,000	-
082101	Reconstruc of wnaless Drive	17,000	-	17,000	17,000	-	17,000	-
082109	The Gore Road - North 07-1525	704,830	2,368	702,462	704,830	2,368	702,462	0.34
082110	Kennedy Rd(Mayfield W) - Mayfi	4,048,125	9,376	4,038,749	4,048,125	9,376	4,038,749	0.23
082111	Heritage Rd - Embleton Rd to	2,542,086	-	2,542,086	2,542,086	-	2,542,086	-
082115	Heritage Road - Steeles Avenue	182,000	-	182,000	182,000	-	182,000	-
082135	Future Gillingham Drive	271,600	-	-	-	-	-	-

**APPENDIX III
WASTEWATER
EXISTING CAPITAL PROJECT LIST**

As of July 31, 2008

Project	Description	Gross Revised Budget	Gross Project Actuals	Gross Carry-Forward	Net Revised Budget	Net Project Actuals	Net Carry-Forward	Net % Spent
082145	Future Street (Bram West)	868,948	-	868,948	868,948	-	868,948	
082155	Countryside Drive - Dixie Road	-	423	423	-	423	423	
082165	Bonnie Brae Dr/James Potter Rd	1,745,100	-	1,745,100	1,745,100	-	1,745,100	
082170	Future Street (Credit Valley)	475,300	-	475,300	475,300	-	475,300	
082180	Queen Street West (Credit Vall	245,700	-	245,700	245,700	-	245,700	
082185	Countryside Dr - From Mountain	143,364	4,320	139,044	143,364	4,320	139,044	3.01
082190	Future Street (Mayfield West)	202,342	-	202,342	202,342	-	202,342	
082194	Countryside W Dixie 08-763	145,000	-	145,000	145,000	-	145,000	
082196	Dixie Road	1,827,684	22,046	1,805,638	1,827,684	22,046	1,805,638	1.21
082197	Future Street (Mayfield West)	253,344	-	253,344	253,344	-	253,344	
082198	Countryside at Bramalea 08-762	1,015,000	-	1,015,000	1,015,000	-	1,015,000	
082199	Countryside at Fairservice	12,000	-	12,000	12,000	-	12,000	
082205	West Trunk Sewer Twinning	9,999,500	185	9,999,315	9,999,500	185	9,999,315	0.00
082230	Etobicoke Creek Trunk Sewer Tw	758,200	-	758,200	498,865	-	498,865	
082235	Bolton/Brampton Trunk Sewer Tw	1,858,612	-	1,858,612	1,858,612	-	1,858,612	
082260	Confederation Pky - Burnhamtho	3,585,608	20,463	3,565,145	3,585,608	20,463	3,565,145	0.57
082305	Sanitary Sewer Spot Repairs	300,000	4,117	295,883	300,000	4,117	295,883	1.37
082306	Lornewood Creek Sanitary Sewer	200,000	-	200,000	200,000	-	200,000	
082380	Sewer Relining in Peel	1,200,000	-	1,200,000	1,200,000	-	1,200,000	
082385	Downtown Brampton	1,000,083	6,638	993,445	1,000,083	6,638	993,445	0.66
082390	Inflow and Infiltration Remedi	350,000	-	350,000	350,000	-	350,000	
082395	Park Royal Area Hydraulic Impr	2,343,809	33,805	2,310,004	2,343,809	33,805	2,310,004	1.44
082420	Trunk Sewer Rehabilitation	250,000	107,224	142,776	250,000	107,224	142,776	42.89
082430	E C Lab- Image Correlation Spe	300,000	-	300,000	300,000	-	300,000	
082435	E CLab - Inductively Coupled P	50,000	-	50,000	50,000	-	50,000	
082500	Wastewater Program Planning	350,000	11,890	338,111	350,000	11,890	338,111	3.40
082510	Inflow, Infiltration and Flow	425,000	135	424,865	425,000	135	424,865	0.03
082535	Sanitary Sewer Inspection	600,000	171,849	428,151	600,000	171,849	428,151	28.64
082590	Wastewater Servicing Analysis	150,000	250	149,750	150,000	250	149,750	0.17
082705	LI Sanitary Sewer on Gordon D	118,000	14,639	103,361	60,940	908	60,032	1.49
962040	Old King Road:96,216	48,350	4,731	43,619	48,350	4,731	43,619	9.79
992140	North Sewer System St:1999,384	198,496	177,336	21,160	198,496	177,336	21,160	89.34
992320	Martha St Sewer Realign:98,179	2,472,945	1,829,896	643,049	2,472,945	1,829,896	643,049	74.00
PW Wastewater Total		204,389,856	63,539,478	140,850,378	198,741,201	61,130,104	137,611,097	30.76
082120F	WPEL-Williams Pkwy CLOSEOUT	637,040	1,243,946	606,906	637,040	1,243,946	606,906	195.27
082150F	FEF Springbrook 21384	516,560	32,304	484,256	516,560	32,304	484,256	6.25
082160F	FEF Springbrook 3961	414,480	-	414,480	414,480	-	414,480	
082195F	FEF Springbrook 21874/6	1,309,370	-	1,309,370	1,309,370	-	1,309,370	
Wastewater Front-End Total		2,877,450	1,276,250	1,601,200	2,877,450	1,276,250	1,601,200	44.35
002960	Lakeview WPCP 2000-147	50,000	25,465	24,535	50,000	25,465	24,535	50.93
012930	Credit Val Trk Sewer Expan	27,454,665	27,102,842	351,823	27,454,665	27,102,143	352,522	98.72
022923	Lakeview Fac Upgrade 2002-7	2,271,158	1,845,365	425,793	1,419,474	1,112,285	307,189	78.36
022924	Lakeview Dewat Sty 2002-7	58,655,912	55,472,335	3,183,577	53,153,987	50,640,070	2,513,917	95.27
022925	Lakeview Hdwks Upg 2002-7	26,885,711	26,298,732	586,979	24,135,303	23,620,292	515,011	97.87
022935	Lakeview Fac Expan 2002-7	82,796,645	72,364,224	10,432,421	75,030,320	65,619,557	9,410,763	87.46
022955	Lakeview Act Sludge 2002-7	10,246,824	9,943,544	303,280	9,285,672	9,011,533	274,139	97.05
022965	Clarkson Fac Expan 2002-7	112,884,641	108,268,832	4,615,809	112,884,641	108,272,824	4,611,817	95.91
022967	Clarkson Outfall Upgrade2002-7	1,395,136	1,354,988	40,148	1,395,136	1,354,988	40,148	97.12
022968	Clarkson Thicken Fac 2002-7	4,295,360	4,123,771	171,589	4,295,360	4,123,771	171,589	96.01
022985	Port Credit New Station 2002-7	292,778	240,835	51,943	292,778	240,835	51,943	82.26
022990	Comm Sew Inglewood 2002-977	2,329,409	909,970	1,419,439	1,287,563	909,970	377,593	70.67
032926	Lakeview Wstwat Treat 02-1190	487,500	246,035	241,465	487,500	246,035	241,465	50.47
032930	Etobke Trk Sew W Brch 02-1190	7,455,000	7,369,615	85,385	7,455,000	7,321,859	133,141	98.21
032941	LWTF Bioso Exprd/Upgd 03-175	111,456,389	72,879,797	38,576,592	100,275,500	65,610,968	34,664,532	65.43
032981	McVean Dr Sewage PS 02-1190	11,960,662	10,115,033	1,845,629	11,960,662	10,115,033	1,845,629	84.57
032982	Mullet Creek PS 02-1190	3,936,754	1,271,337	2,665,417	3,936,754	1,271,337	2,665,417	32.29

**APPENDIX III
WASTEWATER
EXISTING CAPITAL PROJECT LIST**

As of July 31, 2008

Project	Description	Gross Revised Budget	Gross Project Actuals	Gross Carry-Forward	Net Revised Budget	Net Project Actuals	Net Carry-Forward	Net % Spent
042983	The Gore Road Pumping 04-68	2,285,410	190,779	2,094,631	2,285,410	190,779	2,094,631	8.35
042985	Second Line P. St. Dec. 04-68	387,500	374,983	12,517	387,500	374,983	12,517	96.77
042990	Bolton Pumping Station 04-68	341,250	62,024	403,274	341,250	62,024	403,274	-18.18
052215	Steeles W Trunk 04-1280	1,554,195	133,850	1,420,345	1,554,195	102,394	1,451,801	6.59
052220	New Forcecm JD Park 04-1280	16,616,150	2,364,228	14,251,922	16,616,150	2,364,228	14,251,922	14.23
052230	Credit Valley Extend 04-1280	30,980,000	11,250,802	19,729,198	30,980,000	11,250,802	19,729,198	36.32
052240	Cookville Creek Diver 04-1280	1,550,000	74,272	1,475,728	1,550,000	74,272	1,475,728	4.79
052915	Wstwat Treat Fac 04-1280	1,000,000	712,489	287,511	1,000,000	712,489	287,511	71.25
052916	York/Peel Odour OVERBUD	110,000	89,066	20,934	-	1,500	1,500	
052945	Demo Wstwat Treat Fac 04-1280	200,000	112,752	87,248	200,000	112,752	87,248	56.38
052990	New Pump Stn JD Park 04-1280	12,154,750	1,091,929	11,062,821	12,154,750	1,091,929	11,062,821	8.98
062905	Major Mntce Pump	300,000	155,891	144,109	300,000	155,891	144,109	51.96
062906	Major Mntce Treat PI 05-1496	1,905,000	1,807,746	97,254	1,905,000	1,807,746	97,254	94.89
062910	Security Improve 05-1496	500,000	340,341	159,659	500,000	340,341	159,659	68.07
062925	Clarkson Wstwat Treat 05-1496	30,000,000	14,302,944	15,697,056	30,000,000	14,302,944	15,697,056	47.68
062930	Ben MacHree SPS 05-1496	2,050,000	92,694	1,957,306	2,050,000	92,694	1,957,306	4.52
062935	New PS Port Credit 05-1496	2,750,000	89,365	2,660,635	2,750,000	89,365	2,660,635	3.25
062940	Pinetree SPS Rehab 05-1496	1,700,000	51,012	1,648,988	1,700,000	51,012	1,648,988	3.00
062945	Demolition Wstwat Fac 05-1496	800,000	54,107	745,893	800,000	54,107	745,893	6.76
072210	Castlemore Road Trunk Sewer	2,100,925	43,411	2,057,514	2,100,925	43,411	2,057,514	2.07
072215	Steeles Aveune West Trunk Sewe	7,794,101	2,259,017	5,535,084	7,794,101	2,259,017	5,535,084	28.98
072225	West Trunk Sewer	3,207,600	21,614	3,185,986	3,207,600	21,614	3,185,986	0.67
072240	Creditview Road Trunk Sewer	348,500	25	348,475	348,500	25	348,475	0.01
072250	Mississauga Road Trunk Sewer	600,000	25,628	574,372	600,000	25,628	574,372	4.27
072255	Steeles Avenue West Trunk Sewe	899	899	-	899	899	-	100.00
072906	Major maintenance - Treatment	500,000	31,065	468,935	500,000	31,065	468,935	6.21
072907	Equipment Replacement - Treatm	500,000	1,751	498,249	500,000	1,751	498,249	0.35
072960	Lakeview Wastewater Treatment	28,000,000	1,265,734	26,734,266	23,583,300	1,170,588	22,412,712	4.96
082905	Sewage Pumping Stations - Majo	200,000	-	200,000	200,000	-	200,000	
082906	Wastewater Treatment Plants -	500,000	-	500,000	500,000	-	500,000	
082907	Wastewater Treatment Plants -	500,000	-	500,000	500,000	-	500,000	
082911	South Peel Wastewater Energy E	1,000,000	-	1,000,000	1,000,000	-	1,000,000	
082912	SCADA Upgrades at the Wastwat	3,665,000	-	3,665,000	3,665,000	-	3,665,000	
082915	Clarkson Wastewater Treatment	17,526,175	10,910	17,515,265	17,526,175	10,910	17,515,265	0.06
912920	Clksn WPCP Expansion:93,202,36	18,294,762	17,267,391	1,027,371	15,745,492	15,643,069	102,423	99.35
992910	Flow Instrumentation:1999,384	1,495,981	1,353,334	142,647	1,495,981	1,353,334	142,647	90.46
992920	Trunk Sew Etobicoke Ck 02-1190	42,872,788	42,892,002	19,214	29,929,169	29,923,909	5,260	99.98
992930	Lakeview Sewage:1999,384	14,534,599	14,031,847	502,752	14,534,599	14,031,847	502,752	96.54
992940	Re-Rating Study:1999,384	488,984	348,585	140,399	488,984	318,585	170,399	65.15
SP Wastewater Total		716,169,113	512,613,156	203,555,957	666,095,295	474,539,820	191,555,475	71.24
032910f	Ebenezer Rd. Trunk Sewer FEF	3,221,000	3,221,000	-	3,221,000	3,221,000	-	100.00
032920f	Ebenezer Rd CLOSEOUT	1,200,000	1,200,000	-	1,200,000	1,200,000	-	100.00
Sth Peel Wstwat Front-End Total		4,421,000	4,421,000	-	4,421,000	4,421,000	-	100.00
WasteWater Grand Total		927,857,419	581,849,884	346,007,535	872,134,946	541,367,174	330,767,772	62.07

APPENDIX IV
WASTEWATER
2009 NEW CAPITAL DETAIL

2009 Financing Sources and Funding Status (\$'000)

2009 Funding Status:
Approved or Pending
(A/P)

↓ <u>Project #</u>	<u>Project Name</u>	<u>Ward</u>	2009			
			<u>Total Expense</u>	<u>External Funding</u>	<u>Internal Funding</u>	<u>DCA</u>
General						
A 09-2000	UNALLOCATED FUNDS	PEEL	2,000	0	2,000	0
A 09-2001	PRE-ENGINEERING AND DESIGN	PEEL	75	0	75	0
A 09-2005	RESTORATION WORKS	PEEL	50	0	50	0
A 09-2010	UPGRADES TO WOLFDALE LABORATORY	M	44	0	44	0
Wastewater Treatment Plants and Pumping Stations						
A 03-2941	LAKEVIEW WASTEWATER TREATMENT FACILITY - BIOSOLIDS EXPANSION AND UPGRADES	M	6,542	670	4,243	1,629
A 04-2983	THE GORE ROAD PUMPING STATION UPGRADES	B10	395	0	0	395
A 08-2915	CLARKSON WASTEWATER TREATMENT PLANT - EXPANSION	M2	107,981	0	0	107,981
A 09-2820	CHELTANHAM VILLAGE WASTEWATER SERVICING	C1	1,790	0	1,790	0
A 09-2825	ALTON VILLAGE WASTEWATER SERVICING	C1	1,290	0	1,290	0
A 09-2901	INTERMODAL SPS PUMP REPLACEMENT	B10	50	0	50	0

APPENDIX IV
WASTEWATER
2009 NEW CAPITAL DETAIL

2009 Financing Sources and Funding Status (\$'000)

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			<i>Total Expense</i>	<i>Funding</i>		<i>DCA</i>
			<i>External</i>	<i>Internal</i>		
A 09-2905	SEWAGE PUMPING STATIONS - MAJOR MAINTENANCE	PEEL	200	0	200	0
A 09-2906	WASTEWATER TREATMENT PLANTS - MAJOR MAINTENANCE	PEEL	500	0	500	0
A 09-2907	WASTEWATER TREATMENT PLANTS - EQUIPMENT REPLACEMENT	PEEL	700	0	700	0
A 09-2910	CHINGUACOUSY FORCEMAIN, WATERMAIN AND PUMPING STATION	C2	1,091	0	1,091	0
A 09-2920	INGLEWOOD WASTEWATER TREATMENT FACILITY UPGRADES.	C1	273	0	273	0
Primary Collection System - Development						
A 05-2230	WEST TRUNK SEWER EXTENSION	B6	2,181	0	0	2,181
A 05-2240	COOKSVILLE CREEK DIVERSION SEWER	M4	11,330	0	2,266	9,064
A 07-2210	CASTLEMORE ROAD TRUNK SEWER	B10	6,139	0	0	6,139
A 07-2225	MISSISSAUGA ROAD TRUNK SEWER	B6	24,952	0	0	24,952
A 08-2205	WEST TRUNK SEWER TWINNING	M5	8,710	0	0	8,710
A 08-2230	ETOBICOKE CREEK TRUNK SEWER TWINNING	M1	8,696	0	3,913	4,783

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2009 NEW CAPITAL DETAIL

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			<u>Total Expense</u>	<u>External Funding</u>	<u>Internal Funding</u>	<u>DCA</u>
A 09-2201	BURNHAMTHORPE ROAD	M4	3,666	0	1,733	1,933
A 09-2202	CITY CENTRE DRIVE	M4	1,633	0	817	816
Local Trunk Collection System - Development						
A 05-2152	MULLET CREEK TRUNK SEWER (NORTH OF HIGHWAY 407)	B6	982	0	0	982
A 05-2197	THE GORE ROAD FORCEMAIN TWINNING	B10	545	0	0	545
A 06-2109	DIXIE ROAD	B9	2,428	0	0	2,428
A 08-2101	SANITARY SEWER CROSSINGS ACROSS WANLESS DRIVE	B6	225	0	0	225
A 08-2109	THE GORE ROAD - NORTH OF CASTLEMORE ROAD TO COUNTRYSIDE DRIVE	B10	2,312	0	0	2,312
A 08-2145	FUTURE STREET (BRAM WEST)	B6	95	0	0	95
A 08-2185	COUNTRYSIDE DRIVE - FROM MOUNTAINASH ROAD TO TORBRAM ROAD	B10	126	0	0	126
A 08-2194	COUNTRYSIDE DRIVE - DIXIE ROAD WEST	B9	2,448	0	0	2,448
A 08-2196	DIXIE ROAD	B9	8,195	0	0	8,195

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WASTEWATER
2009 NEW CAPITAL DETAIL

2009 Financing Sources and Funding Status (\$'000)

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<u>Project #</u>	<u>Project Name</u>	<u>Ward</u>	2009			
			<u>Total Expense</u>	<u>Funding External</u>	<u>Funding Internal</u>	<u>DCA</u>
A 08-2199	FAIRSERVICE DRIVE - COUNTRYSIDE DRIVE CROSSING	B9	74	0	0	74
A 09-2120	FUTURE STREET (CREDIT VALLEY)	B6	1,132	0	0	1,132
A 09-2125	FUTURE STREET - BRAM EAST	B10	1,070	0	0	1,070
A 09-2140	MULLET CREEK TRUNK SEWER - (BRAM WEST)	B6	874	0	0	874
Primary Collection System - Improvements and Upgrades						
A 06-2415	CPR INTERCEPTOR	M4,M1	545	0	545	0
A 09-2405	FLOW MONITORS	PEEL	1,000	0	1,000	0
A 09-2410	CALEDON GWTF UPGRADES.	C1	273	0	273	0
A 09-2415	CALEDON EAST/AIRPORT ROAD MANHOLE REHABILITATION.	C3	654	0	654	0
A 09-2420	TRUNK SEWER REHABILITATION	Peel	250	0	250	0
Local Collection System - Improvements and Upgrades						
A 08-2306	LORNEWOOD CREEK SANITARY SEWER	M2	1,236	0	1,236	0

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WASTEWATER
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			<u>Total Expense</u>	<u>External Funding</u>	<u>Internal Funding</u>	<u>DCA</u>
A 09-2380	SEWER RELINING IN PEEL	PEEL	1,200	0	1,200	0
A 09-2390	INFLOW AND INFILTRATION REMEDIATION	PEEL	350	0	350	0
Local Improvement						
A 06-2720	INGLEWOOD SANITARY SEWAGE SYSTEM	C1	3,591	1,955	1,636	0
Operating Capital						
A 05-2520	WASTEWATER ASSET MANAGEMENT	PEEL	500	0	500	0
A 09-2305	SANITARY SEWER SPOT REPAIRS	PEEL	300	0	300	0
A 09-2500	WASTEWATER PROGRAM PLANNING	PEEL	350	0	175	175
A 09-2510	INFLOW, INFILTRATION AND FLOW MONITORING STUDIES	PEEL	425	0	425	0
A 09-2535	SANITARY SEWER INSPECTION	PEEL	720	0	720	0
A 09-2810	SERVICING AND SETTLEMENT MASTER PLANS	C	300	0	0	300
<i>Totals for Budget Year: 2009</i>			222,488	2,625	30,299	189,564

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
General								
Miscellaneous works related to the overall regional wastewater system.								
09-2000	UNALLOCATED FUNDS FUNDING FOR UNFORESEEN AND EMERGENCY WORKS.	2,000	2,000	2,000	2,000	2,000	10,000	20,000
09-2001	PRE-ENGINEERING AND DESIGN FUNDING FOR PRE-ENGINEERING AND DESIGN OF WORKS SCHEDULED FOR CONSTRUCTION THE FOLLOWING YEAR.	75	75	75	75	75	375	750
09-2005	RESTORATION WORKS INVESTIGATIONS AND REMEDIATION WORKS RELATED TO POST-CONTRACT ISSUES.	50	50	50	50	50	250	500
09-2010	UPGRADES TO WOLFDALÉ LABORATORY RELOCATION OF COMPRESSED GAS STORAGE CONTAINERS TO SATISFY OSHA AND ONTARIO BUILDING CODE REQUIREMENTS.	44	0	0	0	0	0	44
10-2011	LABORATORY AND ENFORCEMENT MANAGEMENT SYSTEM UPGRADES UPGRADES TO THE LABORATORY AND ENFORCEMENT MANAGEMENT SYSTEM.	0	1,855	0	0	0	0	1,855
10 Year Totals For: General		2,169	3,980	2,125	2,125	2,125	10,625	23,149

Wastewater Treatment Plants and Pumping Stations

Growth and non-growth related works to upgrade, expand or add to new wastewater treatment facilities.

03-2941	LAKEVIEW WASTEWATER TREATMENT FACILITY - BIOSOLIDS EXPANSION AND UPGRADES REPLACEMENT OF INCINERATOR STACKS ATO FACILITATE TEMPERATURE CHANGES. ADDITIONAL FUNDING	6,542	0	0	0	0	0	6,542
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**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
04-2983	THE GORE ROAD PUMPING STATION UPGRADES LOCATED APPROXIMATELY AT THE GORE ROAD AND QUEEN STREET EAST.ADDITIONAL FUNDING.	395	0	0	0	0	0	395
06-2935	PORT CREDIT SEWAGE PUMPING STATION CONSTRUCTION OF A NEW SEWAGE PUMPING STATION IN THE VICINITY OF LAKESHORE ROAD AND COOKSVILLE CREEK.	0	10,904	0	0	0	0	10,904
08-2915	CLARKSON WASTEWATER TREATMENT PLANT - EXPANSION EXPANSION TO INCREASE CAPACITY TO 350ML/D. DESIGN IN 2008.	107,981	41,500	0	0	0	0	149,481
09-2820	CHELTANHAM VILLAGE WASTEWATER SERVICING WASTEWATER SERVICING FOR CHELTANHAM VILLAGE	1,790	15,000	0	0	0	0	16,790
09-2825	ALTON VILLAGE WASTEWATER SERVICING WASTEWATER SERVICING FOR ALTON VILLAGE.	1,290	1,700	14,000	0	0	0	16,990
09-2901	INTERMODAL SPS PUMP REPLACEMENT REPLACEMENT OF CURRENTLY INSTALLED PUMPS WITH FLYGHT SUBMERSIBLE PUMPS.	50	500	0	0	0	0	550
09-2905	SEWAGE PUMPING STATIONS - MAJOR MAINTENANCE PLANNED MAJOR MAINTENANCE AND EQUIPMENT REPLACEMENT AT THE LAKE-BASED SEWAGE PUMPING STATIONS.	200	200	200	200	200	1,000	2,000

**APPENDIX V
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09-2906	WASTEWATER TREATMENT PLANTS - MAJOR MAINTENANCE PLANNED MAJOR MAINTENANCE AT THE LAKE-BASED WASTEWATER TREATMENT PLANTS.	500	500	500	500	500	2,500	5,000
09-2907	WASTEWATER TREATMENT PLANTS - EQUIPMENT REPLACEMENT PLANNED EQUIPMENT REPLACEMENT AT THE LAKE-BASED WASTEWATER TREATMENT PLANTS.	700	700	700	700	700	3,500	7,000
09-2910	CHINGUACOUSY FORCEMAIN, WATERMAIN AND PUMPING STATION REPLACEMENT OF CHINGUACOUSY FORCEMAIN AND PUMPING STATION AND PROVIDING WATER SERVICING TO THE LAND FILL SITE. ADDITIONAL FUNDING.	1,091	0	0	0	0	0	1,091
09-2920	INGLEWOOD WASTEWATER TREATMENT FACILITY UPGRADES. IMPROVEMENTS AND UPGRADES TO THE INGLEWOOD WASTEWATER TREATMENT FACILITY.	273	0	0	0	0	0	273
10-2915	LAKEVIEW WASTEWATER TREATMENT PLANT - NITRIFICATION IMPROVEMENTS NITRIFICATION IMPROVEMENTS TO MEET THE MINISTRY OF ENVIRONMENT'S EFFLUENT CRITERIA FOR UN-IONIZED AMMONIA.	0	28,394	0	22,000	0	0	50,394
10-2920	CLARKSON WASTEWATER TREATMENT PLANT - NITRIFICATION IMPROVEMENTS NITRIFICATION IMPROVEMENTS TO MEET THE MINISTRY OF ENVIRONMENT'S EFFLUENT CRITERIA FOR UN-IONIZED AMMONIA.	0	22,676	0	0	0	0	22,676

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<i>Sub Type</i>	<i>Description</i>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<i>Gross</i>
10-2925	LAKEVIEW WASTEWATER TREATMENT PLANT - BIOSOLIDS DEWATERING EXPANSION TO INCREASE THE CAPACITY OF THE BIOSOLIDS DEWATERING PROCESS. APPROXIMATELY 16% FUNDED BY YORK REGION. DESIGN IN 2010.	0	5,809	10,000	22,834	0	0	38,643
14-2900	FUTURE WASTEWATER FACILITIES PROJECTS ALLOCATIONS FOR FUTURE PROJECTS.	0	0	0	0	0	24,605	24,605

<i>10 YearTotals For:</i>	Treatment Facilities	120,812	127,883	25,400	46,234	1,400	31,605	353,334
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Primary Collection System - Development

Installations of trunk sewers to sustain Peel's growth.

05-2230	WEST TRUNK SEWER EXTENSION FROM STEELES AVENUE WEST TO QUEEN STREET WEST AND MISSISSAUGA ROAD (HUTTONVILLE). ADDITIONAL FUNDS.	2,181	0	0	0	0	0	2,181
05-2240	COOKSVILLE CREEK DIVERSION SEWER 1200MM TRUNK SEWER, 1410 METRES FROM THE COOKSVILLE CREEK SUB-TRUNK SEWER TO THE CPR INTERCEPTOR.	11,330	0	0	0	0	0	11,330
07-2210	CASTLEMORE ROAD TRUNK SEWER FROM CLARKWAY DRIVE TO HIGHWAY 50. ADDITIONAL FUNDING.	6,139	0	0	0	0	0	6,139
07-2225	MISSISSAUGA ROAD TRUNK SEWER FROM QUEEN STREET WEST TO BOVAIRD DRIVE. IN CONJUNCTION WITH THE WIDENING OF MISSISSAUGA ROAD.	24,952	0	0	0	0	0	24,952
07-2250	MISSISSAUGA ROAD TRUNK SEWER FROM BOVAIRD DRIVE TO APPROXIMATELY 1900 METRES NORTHERLY.	0	12,015	0	0	0	0	12,015

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Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
08-2205	WEST TRUNK SEWER TWINNING FROM HIGHWAY 401 TO THE QUEENSWAY.	8,710	92,396	0	82,396	0	0	183,502
08-2230	ETOBICOKE CREEK TRUNK SEWER TWINNING FROM DUNDAS STREET EAST TO APPROXIMATELY 500 METRES SOUTHERLY.	8,696	0	0	0	0	0	8,696
08-2235	BOLTON/BRAMPTON TRUNK SEWER TWINNING FROM COLERAINE DRIVE TO CASTLEMORE ROAD. IN CONJUNCTION WITH THE WIDENING OF HIGHWAY 50.	0	13,511	0	0	0	0	13,511
09-2201	BURNHAMTHORPE ROAD THE 600MM SANITARY SEWERS, APPROXIMATELY 1350 METRES, ALONG BURNHAMTHORPE ROAD FROM WEST OF HURONTARIO STREET TO COOKSVILLE CREEK TRUNK SEWER.	3,666	0	0	0	0	0	3,666
09-2202	CITY CENTRE DRIVE FROM DUKE OF YORK BOULEVARD ALONG KARIYA GATE, BURNHAMTHORPE ROAD TO EXISTING SANITARY MANHOLE WEST OF HURONTARIO STREET.	1,633	0	0	0	0	0	1,633
10-2205	CLARKWAY DRIVE TRUNK SEWER FROM CASTLEMORE ROAD TO COUNTRYSIDE DRIVE. DESIGN IN 2010.	0	617	4,122	0	0	0	4,739
10-2210	MCVEAN DRIVE TRUNK SEWER FROM CASTLEMORE ROAD TO COUNTRYSIDE DRIVE. DESIGN IN 2010.	0	585	3,900	0	0	0	4,485
10-2220	FLETCHER'S CREEK TRUNK SEWER TWINNING FROM QUEEN STREET WEST TO STEELES AVENUE WEST. DESIGN IN 2008.	0	3,339	0	22,257	0	0	25,596

**APPENDIX V
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Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
11-2210	ETOBICOKE CREEK TRUNK SEWER TWINNING UNDERNEATH RUNWAY 23 AT LESTER B. PEARSON INTERNATIONAL AIRPORT. APPROXIMATELY 32.5% FUNDED BY YORK REGION. DESIGN IN 2011.	0	0	479	3,191	0	0	3,670
12-2210	ALBION-VAUGHAN ROAD TRUNK SEWER FROM MAYFIELD ROAD TO APPROXIMATELY 2300 METRES NORTHERLY. DESIGN IN 2012.	0	0	0	526	0	3,503	4,029
13-2202	ETOCICOKE CREEK TRUNK SEWER TWINNING (FROM AIRPORT ROAD TO CNR) 1350MM SANITARY TRUNK SEWER FROM AIRPORT ROAD NORTH EASTERLY TO CNR TO 1300 METRES.	0	0	0	0	620	3,668	4,288
13-2203	ETOBICOKE CREEK TRUNK SEWER TWINNING (FROM CNR TO GOREWAY DRIVE) 1350MM SANITARY TRUNK SEWER TWINNING FROM CNR TRACKS NORTH OF 407 HIGHWAY NORTHERLY TO GOREWAY DRIVE TO 2800 METRES.	0	0	0	0	1,478	7,796	9,274
13-2204	BOVAIRD DRIVE TRUNK SEWER - NORTH WEST BRAMPTON 900MM SANITARY TRUNK SEWER FROM MISSISSAUGA ROAD WESTERLY TO HERITAGE ROAD. DESIGN IN 2013.	0	0	0	0	327	2,311	2,638
14-2200	FUTURE PRIMARY COLLECTION SYSTEM PROJECTS ALLOCATIONS FOR FUTURE PROJECTS.	0	0	0	0	0	29,624	29,624
10 Year Totals For: WWP-Development		67,307	122,463	8,501	108,370	2,425	46,902	355,968

Local Trunk Collection System - Development

Installations of subtrunk sewers to sustain Peel's growth.

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<i>Sub Type</i>	<i>Description</i>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<i>Gross</i>
05-2152	MULLET CREEK TRUNK SEWER (NORTH OF HIGHWAY 407) FROM THE PROPOSED MULLET CREEK SEWAGE PUMPING STATION TO HERITAGE ROAD UPTO STEELES AVENUE. IN CONJUNCTION WITH THE WIDENING OF HERITAGE ROAD. ADDITIONAL FUNDING.	982	0	0	0	0	0	982
05-2197	THE GORE ROAD FORCEMAIN TWINNING FROM THE GORE ROAD SEWAGE PUMPING STATION TO EBENEZER ROAD. ADDITIONAL FUNDING.	545	0	0	0	0	0	545
06-2109	DIXIE ROAD FROM COUNTRYSIDE DRIVE TO THE EXISTING 750MM DIAMETER TRUNK SEWER, APPROXIMATELY 800 METRES SOUTHERLY. ADDITIONAL FUNDS.	2,428	0	0	0	0	0	2,428
08-2101	SANITARY SEWER CROSSINGS ACROSS WANLESS DRIVE 450MM AND 675MM SANITARY SEWER CROSSINGS AT BUSHMILL CRESCENT, BRISDALE DRIVE AND EDENBROOK HILL DRIVE. IN CONJUNCTION WITH WANLESS DRIVE IMPROVEMENTS BY CITY OF BRAMPTON.	225	0	0	0	0	0	225
08-2109	THE GORE ROAD - NORTH OF CASTLEMORE ROAD TO COUNTRYSIDE DRIVE FROM 453 METRES NORTH OF CASTLEMORE ROAD TO COUNTRYSIDE DRIVE. DESIGN IN 2008.	2,312	0	0	0	0	0	2,312
08-2145	FUTURE STREET (BRAM WEST) FROM MISSISSAUGA ROAD AND THE LION HEAD GOLF COURSE DRIVEWAY WESTERLY. ADDITIONAL FUNDING.	95	0	0	0	0	0	95

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<i>Sub Type</i>	<i>Description</i>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
08-2185	COUNTRYSIDE DRIVE - FROM MOUNTAINASH ROAD TO TORBRAM ROAD FROM MOUNTAINASH ROAD WESTERLY TO TORBRAM ROAD. IN CONJUNCTION WITH THE CITY OF BRAMPTON'S WIDENING OF COUNTRYSIDE DRIVE.	126	876	0	0	0	0	1,002
08-2194	COUNTRYSIDE DRIVE - DIXIE ROAD WEST 525MM SANITARY SEWER FROM DIXIE ROAD WESTERLY. IN CONJUNCTION WITH CITY OF BRAMPTON WIDENING OF COUNTRYSIDE DRIVE.	2,448	0	0	0	0	0	2,448
08-2196	DIXIE ROAD FROM COUNTRYSIDE DRIVE TO 498 METRES NORTH OF MAYFIELD ROAD. ADDITIONAL FUNDING.	8,195	0	0	0	0	0	8,195
08-2199	FAIRSERVICE DRIVE - COUNTRYSIDE DRIVE CROSSING 450MM SANITARY SEWER FROM FAIRSERVICE DRIVE NORTHERLY CROSSING COUNTRYSIDE DRIVE. ADDITIONAL FUNDING.	74	0	0	0	0	0	74
09-2120	FUTURE STREET (CREDIT VALLEY) FROM QUEEN STREET WEST TO 1390 METRES NORTHERLY.	1,132	0	0	0	0	0	1,132
09-2125	FUTURE STREET - BRAM EAST 450MM/ 375MM SANITARY SEWERS FROM THE GORE ROAD EASTERLY	1,070	521	0	0	0	0	1,591
09-2140	MULLET CREEK TRUNK SEWER - (BRAM WEST) FROM HERITAGE ROAD TO STEELES AVENUE WEST.	874	0	0	0	0	0	874
10-2115	FUTURE STREET (NORTHWEST BRAMPTON) FROM WANLESS DRIVE TO 675 METRES NORTHERLY.	0	568	0	0	0	0	568

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<i><u>Sub Type</u></i>	<i><u>Description</u></i>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<i><u>Gross</u></i>
10-2135	FUTURE STREET (NORTHWEST BRAMPTON) FROM CREDITVIEW ROAD TO MISSISSAUGA ROAD.	0	1,866	0	0	0	0	1,866
11-2101	FUTURE STREET - COUNTRYSIDE VILLAGE 375MM SANITARY SEWER FROM COUNTRYSIDE DRIVE TO 710 METRES NORTHERLY.	0	0	526	0	0	0	526
11-2102	FUTURE STREET FROM WINSTON CHURCHILL BOULEVARD TO APPROXIMATELY 270 METRES SOUTHERLY.	0	0	201	0	0	0	201
11-2103	TORBRAM ROAD 525MM SANITARY SEWER FROM COUNTRYSIDE DRIVE NORTHERLY.	0	0	510	0	0	0	510
11-2115	FUTURE BRISDALE DRIVE (NORTHWEST BRAMPTON) FROM WANLESS DRIVE TO 652 METRES NORTHERLY.	0	0	551	0	0	0	551
11-2120	WANLESS DRIVE FROM CREDITVIEW ROAD TO APPROXIMATELY 350 METRES EASTERLY.	0	0	300	0	0	0	300
11-2130	FUTURE STREET (NORTHWEST BRAMPTON) FROM MAYFIELD ROAD TO 570 METRES SOUTHERLY.	0	0	429	0	0	0	429
11-2135	FUTURE STREET (BRAM EAST) FROM CLARKWAY DRIVE TO 610 METRES EASTERLY.	0	0	452	0	0	0	452
11-2145	CREDITVIEW ROAD FROM WANLESS DRIVE TO MAYFIELD ROAD.	0	0	807	636	0	0	1,443

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<i><u>Sub Type</u></i>	<i><u>Description</u></i>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<i><u>Gross</u></i>
11-2170	FUTURE STREET (NORTHWEST BRAMPTON) FROM THE FUTURE SANDALWOOD PARKWAY TO 1160 METRES NORTHERLY.	0	0	1,108	0	0	0	1,108
11-2185	FUTURE STREET (NORTHWEST BRAMPTON) FROM FUTURE BRISDALE DRIVE WESTERLY ALONG FUTURE STREET LOCATED NORTH OF WANLESS DRIV.	0	0	340	0	0	0	340
12-2101	FUTURE STREET - COUNTRYSIDE VILLAGE - WEST OF DIXIE ROAD 450MM/ 375MM SANITARY SEWER FROM COUNTRYSIDE DRIVE NORTH WESTERLY ACCROSS 410 HIGHWAY EXTENSION TO HEARTLAKE ROAD ALONG FUTURE STREETS IN COUNTRYSIDE VILLAGE DEVELOPMENT.	0	0	0	655	623	0	1,278
12-2102	FUTURE STREET - COUNTRYSIDE VILLAGE - WEST OF BRAMALEA ROAD 375MM SANITARY SEWER FROM BRAMALEA ROAD NORTH WESTERLY, 600 METRES ALONG FUTURE STREET	0	0	0	623	0	0	623
12-2105	FUTURE STREET (NORTHWEST BRAMPTON) FROM NORTH OF WANLESS DRIVE TO 630 METRES NORTHERLY.	0	0	0	515	511	0	1,026
12-2115	MCVEAN DRIVE FROM COUNTRYSIDE DRIVE TO MAYFIELD ROAD.	0	0	0	1,292	0	0	1,292
13-2101	FUTURE STREET - NORTH WEST BRAMPTON 450MM SANITARY SEWER FROM WANLESS DRIVE NORTHERLY ALONG FUTURE STREET TO 720 METERS, LOCATED EAST OF MISSISSAUGA ROAD.	0	0	0	0	590	0	590

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
13-2102	FUTURE STREET - NORTH WEST BRAMPTON 450 SANITARY SEWER, ,555 METERS FROM MAYFIELD ROAD SOUTHERLY ALONG FUTURE BRISDALE DRIVE, LOCATED WEST OF CHINGUCOUSY ROAD.	0	0	0	0	685	0	685
13-2103	FUTURE STREET - COUNTRYSIDE VILLAGE - WEST OF BRAMALEA ROAD 375MM SANITARY SEWER FROM MAYFIELD ROAD SOUTHERLY, 475 METRES ALONG FUTURE STREET.	0	0	0	0	351	0	351
13-2104	FUTURE STREET - COUNTRYSIDE VILLAGE - WEST OF BRAMALEA ROAD 375MM SANITARY SEWER FROM MAYFIELD ROAD 710 METRES SOUTHERLY ALONG FUTURE STREET	0	0	0	0	526	0	526
14-2100	FUTURE LOCAL COLLECTION SYSTEM PROJECTS ALLOCATIONS FOR FUTURE PROJECTS.	0	0	0	0	0	20,330	20,330
10 Year Totals For: WWL-Development		20,506	3,831	5,224	3,721	3,286	20,330	56,898

Primary Collection System - Improvements and Upgrades

Replacements, repairs and upgrades related to primary collection system.

06-2405	PORT CREDIT TRUNK SEWER AND FORCEMAIN FROM ENOLA AVENUE TO BEACH STREET.	0	7,632	0	0	0	0	7,632
06-2415	CPR INTERCEPTOR REPLACEMENTS AND UPGRADES TO SUPPORT FUTURE DEVELOPMENT. ADDITIONAL FUND.	545	0	0	0	0	0	545
09-2405	FLOW MONITORS INSTALLATION OF PERMANENT FLOW MONITORS ON THE REGION'S TRUNK SEWERS.	1,000	0	0	0	0	0	1,000

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
09-2410	CALEDON GWTF UPGRADES. UPGRADES TO THE FACILITY.	273	0	0	0	0	0	273
09-2415	CALEDON EAST/AIRPORT ROAD MANHOLE REHABILITATION. REHABILITATION OF 23 MANHOLE, RE-LINING AND/OR OTHER WORKS	654	0	0	0	0	0	654
09-2420	TRUNK SEWER REHABILITATION VARIOUS REHABILITATION AND REPAIR WORKS TO THE PRIMARY TRUNK SEWERS.	250	250	250	250	250	1,250	2,500
10 Year Totals For: WWP-Imp. & Upgrades		2,722	7,882	250	250	250	1,250	12,604

Local Collection System - Improvements and Upgrades

Replacements, repairs and upgrades related to local collection system.

08-2306	LORNEWOOD CREEK SANITARY SEWER SEWER IMPROVEMENTS ALONG LORNEWOOD CREEK, SOUTH OF INDIAN ROAD. DESIGN IN 2008.	1,236	2,000	0	0	0	0	3,236
09-2380	SEWER RELINING IN PEEL SEWER RELINING ON VARIOUS STREETS IN THE REGION OF PEEL.	1,200	1,200	1,200	1,200	1,200	6,000	12,000
09-2390	INFLOW AND INFILTRATION REMEDICATION DISCONNECTION OF DOWNSPOUTS AND VARIOUS SEWER REPAIRS IN FLOOD-PRONE AREAS.	350	350	350	350	350	1,750	3,500
10-2300	FUTURE IMPROVEMENTS AND UPGRADES ALLOCATIONS FOR FUTURE SANITARY SEWER REPAIRS, REPLACEMENTS AND RELINING.	0	2,162	2,150	2,150	2,150	10,750	19,362
10 Year Totals For: WWL-Imp. & Upgrades		2,786	5,712	3,700	3,700	3,700	18,500	38,098

Wastewater Studies

Wastewater studies, Environmental Assessment and Planning.

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
12-2505	ETOBICOKE CREEK TRUNK SEWER TWINNING - CLASS EA FROM THE CNR TO QUEEN STREET EAST AND GOREWAY DRIVE.	0	0	0	163	0	0	163
12-2510	ETOBICOKE CREEK TRUNK SEWER TWINNING - CLASS EA FROM AIRPORT ROAD TO THE CNR.	0	0	0	70	0	0	70
13-2501	EAST-TO-WEST DIVERSION PUMPING STATION AND FORCEMAIN - CLASS EA STUDIES REQUIRED TO CONVERT EXISTING TRUNK SEWER FROM WEST TO EAST INTO FORCEMAIN FROM EAST TRUNK SEWER SYSTEM TO WEST TRUNK SEWER SYSTEM, EXTENDING THE FORCEMAIN TO CREDITVALLEY TRUNK SEWER AND CONSTRUCTION OF NEW PUMPING STATION.	0	0	0	0	691	0	691
14-2500	FUTURE WASTEWATER STUDIES PROJECTS ALLOCATIONS FOR FUTURE PROJECTS.	0	0	0	0	0	1,535	1,535

10 Year Totals For:	Wastewater Studies	0	0	0	233	691	1,535	2,459
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Local Improvement

Funding for local improvements.

06-2720	INGLEWOOD SANITARY SEWAGE SYSTEM CONSTRUCTION OF SANITARY SEWER SYSTEM IN THE VILLAGE OF INGLEWOOD THROUGH LOCAL IMPROVEMENT PROCESS. ADDITIONAL FUNDING.	3,591	0	0	0	0	0	3,591
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10 Year Totals For:	Local Improvement	3,591	0	0	0	0	0	3,591
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Operating Capital

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
05-2520	WASTEWATER ASSET MANAGEMENT DEVELOPMENT OF AN ASSET MANAGEMENT PROGRAM FOR WASTEWATER INFRASTRUCTURE.	500	0	0	0	0	0	500
08-2013	SERVICE PLANNING INFORMATION MANAGEMENT INTEGRATION OF VARIOUS APPLICATIONS FOR IMPROVED PROJECT MANAGEMENT, CONTRACT MANAGEMENT, PERFORMANCE MANAGEMENT AND SERVICE PLANNING.	0	800	0	0	0	0	800
09-2305	SANITARY SEWER SPOT REPAIRS VARIOUS SCHEDULED AND EMERGENCY SANITARY SEWER SPOT REPAIRS.	300	300	300	300	300	1,500	3,000
09-2500	WASTEWATER PROGRAM PLANNING WASTEWATER PROGRAM PLANNING, STUDIES, AND LOCAL IMPROVEMENT INVESTIGATIONS.	350	350	350	350	350	1,750	3,500
09-2510	INFLOW, INFILTRATION AND FLOW MONITORING STUDIES STUDIES TO ELIMINATE INFLOW AND INFILTRATION AND MONITORING WASTEWATER FLOWS AT CRITICAL SECTIONS WITHIN THE REGION'S WASTEWATER SYSTEM.	425	425	425	425	425	2,125	4,250
09-2535	SANITARY SEWER INSPECTION CLOSED-CIRCUIT TELEVISION (CCTV) INSPECTION OF SANITARY SEWERS.	720	720	720	720	720	3,600	7,200
09-2810	SERVICING AND SETTLEMENT MASTER PLANS STUDIES FOR MUNICIPAL WATER AND WASTEWATER SERVICING FOR VARIOUS SETTLEMENTS IN CALEDON.	300	0	0	0	0	0	300

**APPENDIX V
WASTEWATER
TEN YEAR CAPITAL PLAN**

Ten Year Combined Capital Program (\$'000)

<u>Sub Type</u>	<u>Description</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>Yrs 6-10</u>	<u>Gross</u>
10-2505	DEVELOPMENT CHARGES REVIEW STUDIES FOR THE PREPARATION OF THE REGION OF PEEL DEVELOPMENT CHARGES BY-LAW.	0	200	0	0	0	200	400
10-2510	WASTEWATER SERVICING MASTER PLAN UPDATE REVIEW OF THE REGIONAL WASTEWATER SERVICING STRATEGY.	0	250	0	0	0	250	500
10-2515	TRUNK SEWER INSPECTION AND CONDITION ASSESSMENT INSPECTION AND CONDITION ASSESSMENT OF THE PRIMARY TRUNK SEWERS.	0	1,000	500	500	0	0	2,000
10 Year Totals For: Operating Capital		2,595	4,045	2,295	2,295	1,795	9,425	22,450
Totals for 10 Year Capital Plan:		222,488	275,796	47,495	166,928	15,672	140,172	868,551

OMBI & MPMP Benchmark Data For Budget Review			
WasteWater			
	4th Quartile	Low performer or high costs	
	2nd or 3rd Quartile	Average performer or average cost	
	1st Quartile	High performer or low cost	
	2007	2006	2005
1	MEGALITRES OF TREATED WASTEWATER Per 100,000 POPULATION (000'S)		
Peel Result	15,157.5	16,017.2	15,792.9
OMBI Median	17,693.47	19,951.79	19,087.78
Ranking	7/15	5/15	5/15
Peel Y/Y % Change	-5.37%	1.42%	
2	OPERATING COST OF WASTEWATER COLLECTION, TREATMENT AND DISPOSAL		
Peel Result	237.18	225.50	210.82
MPMP Median	441.25	409.30	357.26
Ranking	1/12	4/12	3/12
Peel Y/Y % Change	5.18%	6.96%	
3	OPERATING COST OF WASTEWATER COLLECTION Per KILOMETER OF		
Peel Result	4,947.15	4,776.12	4,565.19
OMBI Median	5,701.18	5,254.19	5,160.51
Ranking	4/12	4/12	5/12
Peel Y/Y % Change	3.58%	4.62%	
4	OPERATING COST OF WASTEWATER COLLECTION, TREATMENT AND DISPOSAL		
Peel Result	152.30	144.86	140.23
OMBI Median	237.18	225.50	2,461.23
Ranking	3/15	4/15	4/15
Peel Y/Y % Change	5.14%	3.30%	
5	PERCENTAGE OF WASTEWATER ESTIMATED TO HAVE BY-PASSED TREATMENT		
Peel Result	0.00%	0.21%	0.06%
OMBI Median	0.01%	0.18%	0.21%
Ranking			
Peel Y/Y % Change			
6	ANNUAL NUMBER OF WASTEWATER MAIN BACK UPS Per 100KM'S WASTEWATER		
Peel Result	1.36	0.91	0.25
OMBI Median	1.64	1.88	3.06
Ranking	6/12	8/12	11/12
Peel Y/Y % Change	49.45%	264.00%	
7	AVERAGE AGE OF PIPE		
Peel Result	23	22	23
OMBI Median	28.00	28.50	27.50
Ranking			
Peel Y/Y % Change	4.55%	-4.35%	
Your Comments -			
What is the data telling you? Peel has a relatively young system. Older and deficient sewers are continually upgraded through the capital works program. Staff continue to improve system performance through flushing programs, inflow and infiltration mitigation programs and improve the efficiency, and cost effectiveness of wastewater treatment by improving treatment processes while striving to meet compliance issues and protect and respect the environment.			
Action Plan:			
Peels inflow and infiltration program will continue to mitigate impacts the of wet weather wastewater flows and ultimately reduce the strain put on the treatment plant and system from wet weather flows. Installation of hot boxes and continued upgrades to the treatment facility will increase the overall efficiency of the treatment process and reduce costs.			
Additional Comments -			

**APPENDIX VII
WASTEWATER
STAFFING INFORMATION**

Program	2008 Complement	Subsequent Changes in 2008	Requested Complement for 2009	2009 Council Approved
Wastewater	130.0	(9.0)	6.0	127.0
TOTAL Wastewater	130.0	(9.0)	6.0	127.0

Subsequent Changes in 2008

9.00 Transferred from Wastewater Program to Operations Support

Change Request for 2009 Commentary

1.00 Technical Assistant, Environmental Control

1.00 Technical Analyst, Environmental Control

2.00 Lab technicians, Environmental Control

1.00 Wastewater Specialist, Communal Wastewater Treatment and Collection

1.00 Assistant Technical, Operations Collection and Communal Treatment

6.00 Total 2009 Budget New Staff Requests

**APPENDIX VIII
WASTEWATER
USER FEES**

Description of service or activity for which the fee or charge is being imposed	Service Unit	2008 Current Fee	2009 Proposed Fee	GST +	PST +	Variance 2008 vs. 2009
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Part 4: ENVIRONMENT, TRANSPORTATION & PLANNING SERVICES

Wastewater

Local Improvement Sanitary Sewer Charges

Frontage Rate	metre	\$450.00	\$570.00	n/a	n/a	\$120.00
Connection Charge (residential)	lot	\$2,100.00	\$2,720.00	n/a	n/a	\$620.00
Connection Charge (industrial)	lot	Actual Costs	Actual Costs	n/a	n/a	\$0.00

Contract Plans & Documents

Volume 1 (prequalified) - hard copy*	document	\$40.00	\$40.00	n/a	n/a	\$0.00
Volume 1 - hard copy*	document	\$15.00	\$15.00	n/a	n/a	\$0.00
Volume 2 - hard copy	document	\$25.00	\$25.00	n/a	n/a	\$0.00
Contract Plans (1-20 sheets)*	set	\$15.00	\$15.00	n/a	n/a	\$0.00

*For contracts greater than 20 sheets the price will be based on actual document costs (Includes volume 1 and contract plans).

Reports & Studies

All Approved Reports & Studies	copy	\$50.00	\$55.00	n/a	n/a	\$5.00
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Regional Design Guidelines

Water/Wastewater Map Book	book	\$85.00	\$85.00	n/a	n/a	\$0.00
20 Year Regional D.C. Plan Map	each	\$15.00	\$20.00	n/a	n/a	\$5.00
5-Year Capital Budget & Forecasts Map	each	\$15.00	\$20.00	n/a	n/a	\$5.00

Subdivision Engineering & Inspection Fees (% estimated cost of Regional works where subdivision is being developed)

Brampton/Caledon/Mississauga	cost of work	4.25% or a minimum charge of \$4,500 plus chlorination, pressure testing and flushing fee where applicable	4.25% or a minimum charge of \$5,500 plus chlorination, pressure testing and flushing fee where applicable	n/a	n/a	\$1,000.00
Miscellaneous Development Projects	cost of work	6% or a minimum charge of \$4,500 plus chlorination, pressure testing and flushing fee where applicable	7% or a minimum charge of \$5,500 plus chlorination, pressure testing and flushing fee where applicable	n/a	n/a	\$1,000.00
Front End Financing Agreement (FEFA), administration and processing fee	cost of work	1% of the estimated cost of the front end financed work	1% of the estimated cost of the front end financed work, \$10,000 minimum charge	n/a	n/a	\$0.00

Cross Boundary Servicing Applications

Residential cross boundary servicing requests administration and processing fee	each	\$1,000 non refundable	\$1,000 non refundable	+	n/a	\$0.00
Non-Residential cross boundary servicing requests administration and processing fee	each	\$2,000 non refundable	\$2,000 non refundable	+	n/a	\$0.00
Residential/Non-Residential multiple users cross boundary servicing requests administration and processing fee	per agreement		per negotiated agreement	+	n/a	\$0.00

Telecommunication Processing Fees

**APPENDIX VIII
WASTEWATER
USER FEES**

Description of service or activity for which the fee or charge is being imposed	Service Unit	2008 Current Fee	2009 Proposed Fee	GST +	PST +	Variance 2008 vs. 2009
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Part 4: ENVIRONMENT, TRANSPORTATION & PLANNING SERVICES

Wastewater

Telecommunication Permit Approval Fees (incl. Inspection of 200 meters / 656.2 feet)	per application	\$405.00	\$405.00	n/a	n/a	\$0.00
Additional Inspection fees if greater than 200 meters/656.2 feet	per meter	\$0.30	\$0.30	n/a	n/a	\$0.00
Annual Municipal Access Agreement Fee	per agreement	per negotiated agreement	per negotiated agreement	n/a	n/a	\$0.00

Capital Works - Water and Wastewater Treatment & Collection Systems

Contract Plans & Documents (Less than \$5.0 Million)	document	\$100.00	\$0.00	n/a	n/a	-\$100.00
Contract Plans & Documents (\$5.0 to \$25.0 Million)	document	\$150.00	\$0.00	n/a	n/a	-\$150.00
Contract Plans & Documents (Greater than \$25.0 Million)	document	\$200.00	\$0.00	n/a	n/a	-\$200.00

B) SEWAGE WORKS

Administrative processing	cost of work	\$200.00	\$0.00	n/a	n/a	-\$200.00
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A municipal or private facility for the treatment and disposal of sewage treatment plant, including the expansion, re-rating or upgrading of an existing facility that involves an increase in the rated capacity of the facility

If the maximum design capacity is not more than 4550 cubic metres per day	cost of work	\$5,000.00	\$0.00	n/a	n/a	-\$5,000.00
If the maximum design capacity is more than 4550 cubic metres per day	cost of work	\$10,000.00	\$0.00	n/a	n/a	-\$10,000.00

A facility for attenuating storm water runoff peak flow rate or volume or for managing storm water runoff quality, such as detention or retention pools	cost of work	\$2,000.00	\$0.00	n/a	n/a	-\$2,000.00
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A subsurface disposal facility, including the expansion of an existing facility that involves an increase in the rated capacity of the facility.

If the design capacity of the facility is not more than 15 cubic metres per day	cost of work	\$600.00	\$0.00	n/a	n/a	-\$600.00
If the design capacity of the facility is more than 15 cubic metres per day and not more than 50 cubic metres per day	cost of work	\$1,500.00	\$0.00	n/a	n/a	-\$1,500.00
If the design capacity of the facility is more than 50 cubic metres per day	cost of work	\$3,000.00	\$0.00	n/a	n/a	-\$3,000.00
A facility for the treatment and disposal of industrial process wastewater, including contact cooling water, including the expansion of an existing facility that involves and increase in the rated capacity of the facility	cost of work	\$6,000.00	\$0.00	n/a	n/a	-\$6,000.00
A facility for the disposal of spent water from a non-contact industrial cooling process	cost of work	\$1,000.00	\$0.00	n/a	n/a	-\$1,000.00
Storm and sanitary sewers and appurtenances, including expansion of existing sewers	cost of work	\$900.00	\$0.00	n/a	n/a	-\$900.00
Storm and sanitary pump stations, force mains and sanitary sewage detention chambers or oversized sewers, including the expansion of an existing facility that involves an increase in the rated capacity of the facility	cost of work	\$1,800.00	\$0.00	n/a	n/a	-\$1,800.00

**APPENDIX VIII
WASTEWATER
USER FEES**

Description of service or activity for which the fee or charge is being imposed	Service Unit	2008 Current Fee	2009 Proposed Fee	GST +	PST +	Variance 2008 vs. 2009
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Part 4: ENVIRONMENT, TRANSPORTATION & PLANNING SERVICES

Wastewater

Review of Hydrogeological Assessment	cost of work	\$3,000.00	\$0.00	n/a	n/a	-\$3,000.00
Administrative amendments (no technical review involved).	cost of work	\$100.00	\$0.00	n/a	n/a	-\$100.00
Administrative processing (applies to all amendment, except administrative amendments)	cost of work	\$200.00	\$0.00	n/a	n/a	-\$200.00

Connection Administration & Inspection Fees (applicant-installed)

Sewer Service	administration/inspection	\$884 this amount includes non refundable sum of \$350.00	\$938 this amount includes non refundable sum of \$350.00	n/a	n/a	\$54.00
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Emergency Sewer Back-Up Charges

Residential - Monday to Friday 7:00 am to 23:00 pm excluding holidays	call	\$300.00	\$300.00	+	n/a	\$0.00
Residential - After Hours Saturday/Sunday & Holiday	call	\$400.00	\$400.00	+	n/a	\$0.00
Commercial/Industrial/Condominium	service	Actual Costs	Actual Costs	+	n/a	\$0.00

TV Inspections

Residential - Monday to Friday 07:00 am to 23:00 pm excluding holidays	call	\$300.00	\$300.00	+	n/a	\$0.00
Commercial/Industrial/Condominium	service	Actual Costs	Actual Costs	+	n/a	\$0.00

WATER & WASTEWATER TREATMENT

Spill Clean up	each	Actual Costs	Actual Costs	n/a	n/a	\$0.00
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Waste Monitor Surcharges

Labour (2 person crew) inc. Overtime	hour	\$100.00	\$120.00	+	n/a	\$20.00
Equipment - Sampler	hour	\$1.00	\$1.00	+	n/a	\$0.00
Sampling Baskets	per basket	\$200.00	\$200.00	+	+	\$0.00

Water Pollution Analyses

Biochemical Oxygen Demand	analysis	\$43.80	\$31.36	+	n/a	-\$12.44
Suspended Solids	analysis	\$13.68	\$12.32	+	n/a	-\$1.36
Oil & Grease	analysis	\$28.20	\$33.25	+	n/a	\$5.05
Animal/Vegetable/Oil & Grease	analysis	\$28.20	\$33.25	+	n/a	\$5.05
Environmental Information Requests	address	\$100.00	\$100.00	+	n/a	\$0.00