

BUSINESS PLAN AND BUDGET

2011



CAPITAL

As Approved by Regional Council
March 24, 2011



The Regional Municipality of York
Ontario, Canada

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2011 Capital Book at a Glance

The first section of the 2011 Capital Budget and Business Plan document provides a summary of the budget and business plan at the Regional level. This section also provides details of the budget process, capital financing, debt financing and reserves fund policy.

Following are separate sections for each of the 13 service areas within the Region which have budgeted capital expenditures: York Region Transit (YRT), York Region Rapid Transit Corporation (Rapid Transit), Roads, Water Services, Wastewater Services, Solid Waste Management, Emergency Medical Services (EMS), Long Term Care Services, Housing Services, Public Health Services, Information Technology (IT) Services, Property Services and York Regional Police.

Each service area section includes:

- i) Capital Business Plan: A description of the Capital Strategy, Key Initiatives, Long Term Outlook and Pressures on Net Operating Impact of the Business Plan and Budget.
- ii) 2011 New Total Project Budget Authority (TPBA): The New TPBA in 2011 and outyears. New TPBA includes increases over the approved 2010 TPBA along with any new projects introduced in 2011 that require a commitment to expenditures
- iii) 2011 New TPBA Explanations: Descriptions and explanations of projects with New TPBA.
- iv) 2011 New TPBA – Financing Sources: The associated financing sources of the New TPBA by project in 2011 and in outyears.
- v) Ten Year Capital Plan 2011-2020: Expenditures of all projects in the Ten Year Capital Plan plus total financing sources.
- vi) Ten Year Capital Financing Sources by Project 2011-2020: The associated financing sources of the Ten Year Capital Plan by project.

The TPBA Appendix includes highlights of the authorized capital expenditures at the Regional level as well as a report on the annual TPBA by project and total financing sources for each of the 13 service areas.

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2011 Capital Budget Financial Summary

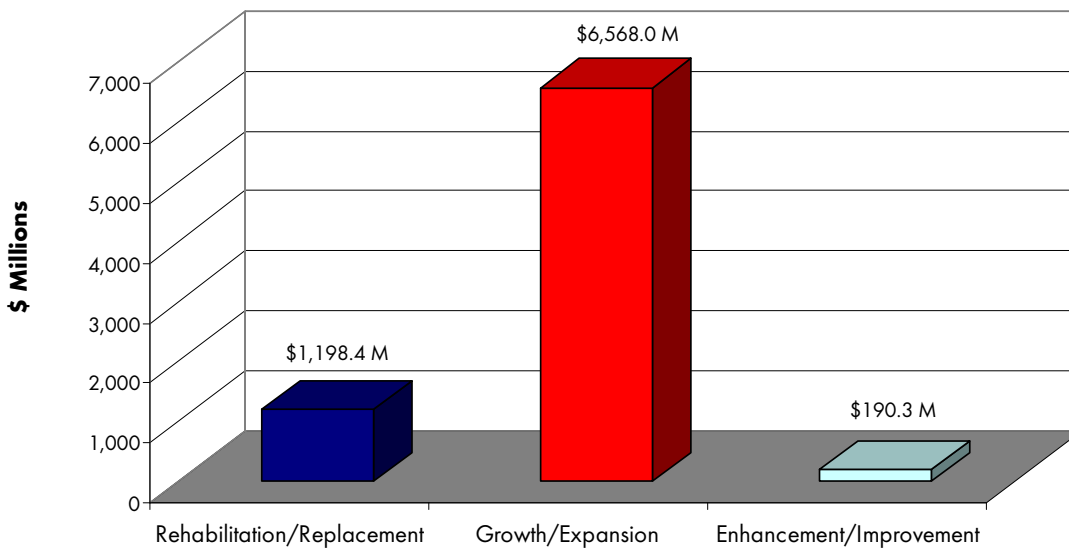
Capital Budget Overview

Ten Year Capital Plan

The 2011 Ten Year Capital Budget reflects \$8.0 billion of capital expenditures. Approximately 83% of the Ten Year Capital Plan expenditures are for growth/expansion related projects. This Capital Plan does not include fully funded Metrolinx Rapid Transit projects.

Below is a breakdown by need category:

2011 Ten Year Gross Capital Expenditures by Need Category
\$8.0 Billion

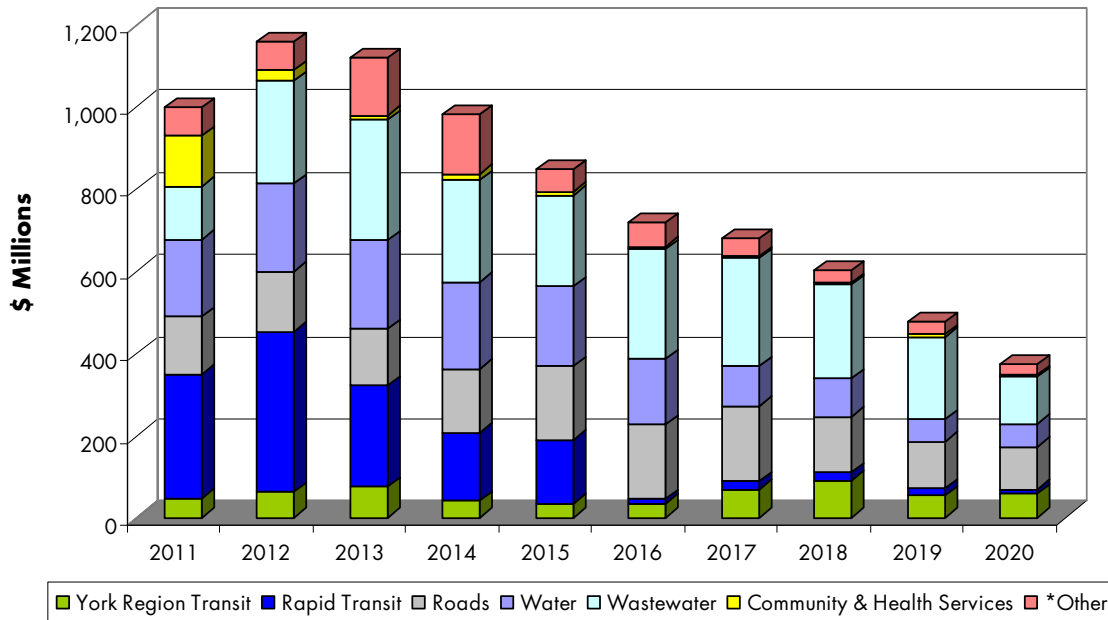


Since growth related expenditures are primarily financed by Development Charges and/or debentures, these two sources account for approximately 67% of the financing of the Capital Plan.

2011 Capital Budget Financial Summary

Transit (York Region Transit, Rapid Transit), Roads, Water and Wastewater account for approximately 89% of the Ten Year Capital Plan. The annual breakdown by service area is as follows:

2011 Ten Year Capital Plan by Service Area
\$8.0 Billion

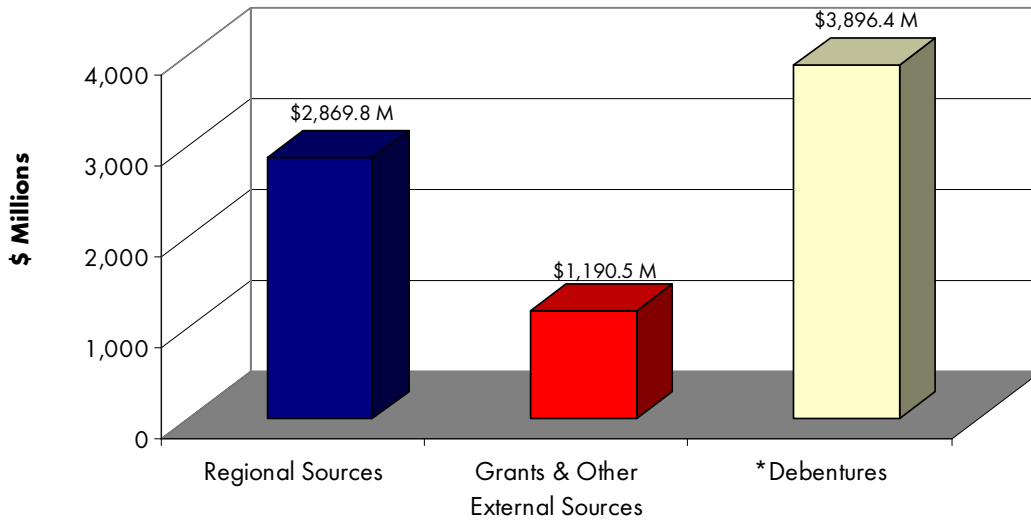


***Other**
 Solid Waste
 Information Technology
 Property Services
 Police

2011 Capital Budget Financial Summary

Approximately 85% of the Capital Plan is financed through debentures and Regional sources.

2011 Ten Year Capital Plan Financing Sources \$8.0 Billion



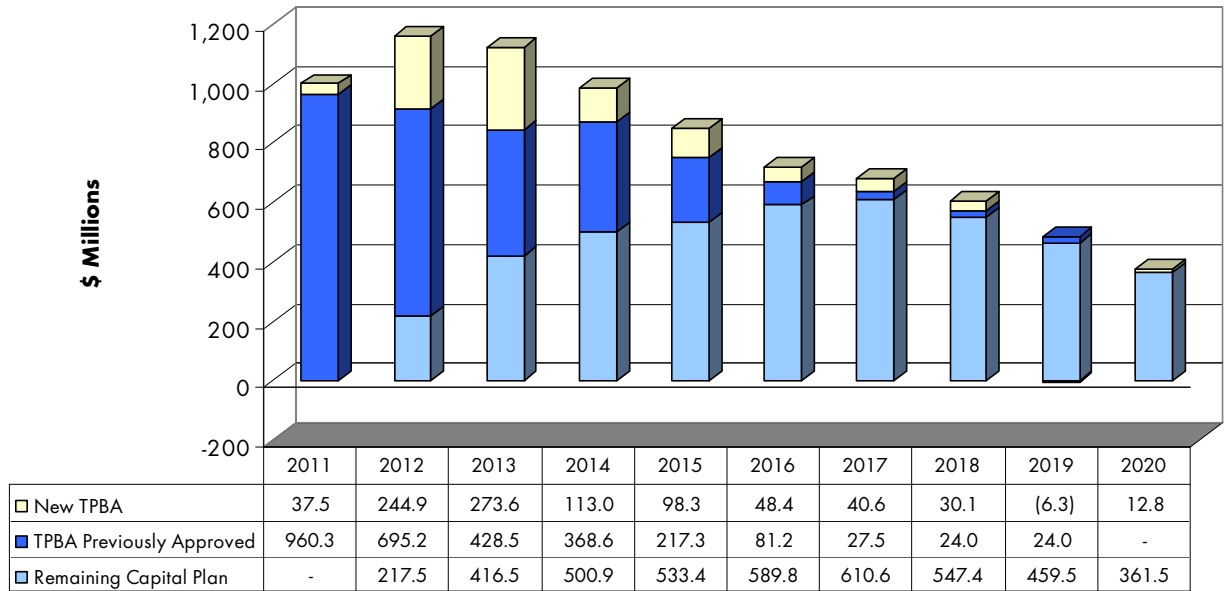
Note:

Grants & Other External Sources include Federal Gas Tax

*Debentures \$3,896.4	
Tax Levy	\$952.8 M
Development Charges	\$2,824.8 M
User Rates	\$66.4 M
Other Recoveries	\$52.4 M

2011 Capital Budget Financial Summary

2011 Ten Year Capital Plan \$8.0 Billion



The 2011 Ten Year Capital Plan totals \$8.0 billion. The New TPBA being proposed for approval totals \$900.0 million (of which \$892.9 million is from 2011 to 2020 and \$7.1 million is in 2021). A further \$2.8 billion is previously approved TPBA and the remaining \$4.3 billion is included for planning purposes but not yet committed.

2011 Capital Budget Financial Summary

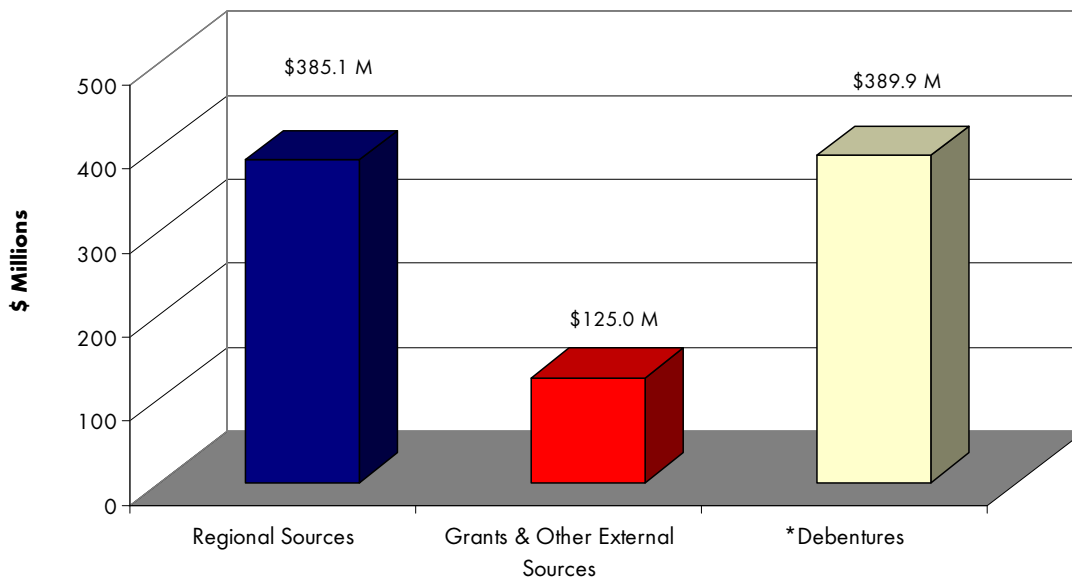
New Total Project Budget Authority (TPBA)

The budget process focuses approval at the project level. In 2010 the "Total Project Budget Authority" approach was implemented and multi-year commitments were approved. In 2011 Regional Council will be asked to approve the "New TPBA". The New TPBA refers to changes from the approved 2010 Total Project Budget Authority, along with new projects introduced in 2011.

York Region's 2011 Capital Plan extends from 2011 to 2020. The proposed \$900.0 million New Total Project Budget Authority extends beyond the 2020 timeframe. The Ten Year Capital Plan includes \$892.9 million of this TPBA. The remaining \$7.1 million is after 2020.

The associated financing sources for the New TPBA of \$900.0 million are as follows:

**2011 New TPBA Financing Sources
\$900.0 Million**



Note: Grants & Other External Sources include Federal Gas Tax

*Debtentures \$389.9 M	
Tax Levy	\$118.2 M
Development Charges	\$276.6 M
User Rates	(\$17.8 M)
Other	\$12.9 M

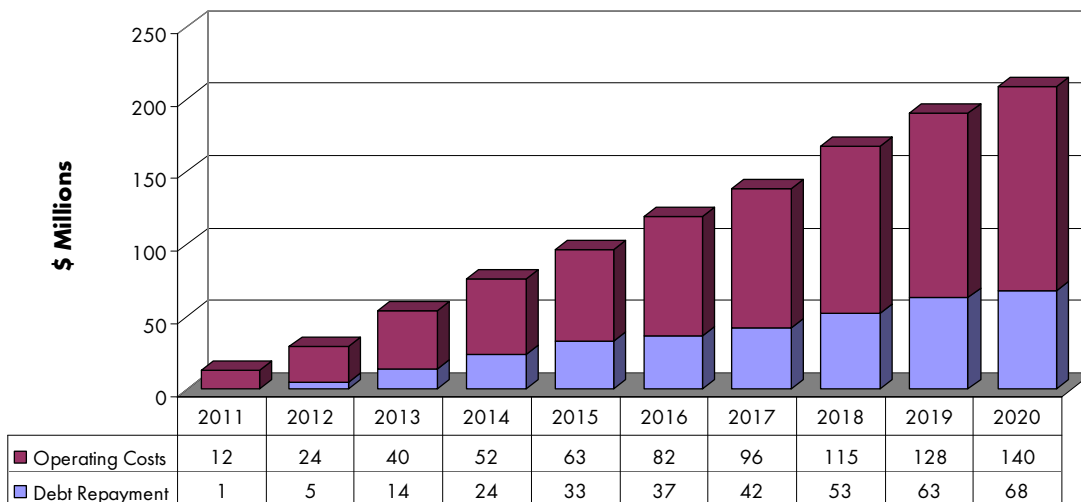
2011 Capital Budget Financial Summary

Net Operating Impact of New Capital on Tax Levy

York Region's 10 year capital plan affects future operating costs impacting York Region's tax levy requirement. Major operating costs resulting from capital works include salaries for new staff required to operate new capital works (e.g. new facilities, vehicles, etc.), contract costs for new services, debt repayment costs related to the capital works, and contribution to reserves to fund new and replacement capital works. These costs are offset by operating revenues.

The annual net operating costs for 2011 to 2020 are outlined below:

Net Operating Impact of New Capital on Tax Levy 2011-2020



This chart reflects the yearly total net operating impact resulting from both New TPBA approval and the remainder of the capital plan that is not seeking budget authority at this time. The net operating impact is associated with new capital only (i.e. these figures exclude the net operating impact of capital that has previously received TPBA approval in 2010).

Debt repayment continues to be one of the largest operating impacts of the Region's capital budget. Other key operating costs include:

- Salaries and benefits associated with the acquisition of a new ambulances and long term care facilities
- Contractor payment costs for York Regional Transit conventional bus operations
- Contract/program costs for construction of the central service centre and two/three new south service centres
- Contract/program costs for York Regional Police new vehicle acquisitions
- Contract/program costs associated with the purchase of Bus Rapid Transit vehicles

2011 Capital Budget Financial Summary

Capital Planning In York Region

Budget Process Overview

The Regional Municipality of York consists of seven departments: Transportation Services, Environmental Services, Community and Health Services, Corporate Services, Finance, Planning and Development, and York Region Rapid Transit Corporation (Rapid Transit). Within each department, there are separate business units. York Regional Police's budget is approved by the Police Services Board. As funding is provided by York Region, the Police participate in York Region's budget process.

The budget process requires each business unit, with the assistance of the Business Planning & Budgets branch, to prepare a Ten Year Capital Plan Forecast outlining proposed expenditures and financing sources in their respective units. The Ten Year Capital Plan Forecast recognizes each unit's specific budget pressures and attempts to balance the service needs with resource availability. Each business unit produces a business plan which provides justification for forecasted expenditures and revenues within their area. The business plan also includes an analysis of the net impact of new capital projects on the operating budget. This information is submitted to the Business Planning & Budgets branch for review to ensure that all relevant budgeting principles are consistently applied, and financing adheres to corporate standards and government legislation.

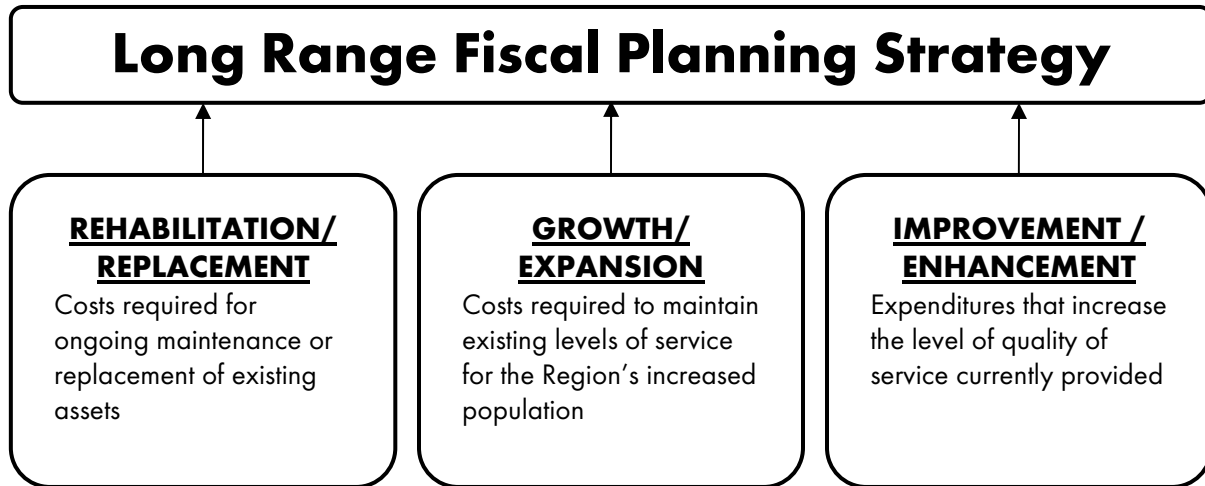
The budget process focuses approval at the project level. In 2010 the "Total Project Budget Authority" (TPBA) approach was implemented and multi-year commitments were approved. In 2011 Regional Council will be asked to approve the "New TPBA". The New TPBA refers to changes from the approved 2010 Total Project Budget Authority, along with new projects introduced in 2011.

The Finance Department receives budget submissions for all Regional Departments. Staff review and assess departmental submissions. Reviews are then conducted by the Treasurer and Chief Administrative Officer, who meet with Departments to discuss their submission. Reviews are also undertaken by the Budget Review Committee, which consists of the Regional Chair, the Chief Administrative Officer, the Treasurer and the Director of Business Planning and Budgets.

When the reviews have been completed, the proposed budget is tabled at Regional Council with a recommendation that Regional Council refer the budget to the respective Standing Committees. Each Standing Committee reviews the budget and provides comments and direction to staff for any required adjustments. Each Committee subsequently refers the proposed budget to the Finance and Administration Committee and ultimately Regional Council with their recommendations for review and final approval.

The capital budget is focussed on a Long Range Fiscal Planning Strategy which is developed using a need-based framework for projects in categories such as rehabilitation /replacement, growth/expansion and improvement/enhancement.

2011 Capital Budget Financial Summary



Strategic Master Plans

A well developed ten year capital program reflects the strategic nature of the capital planning process at York Region. A number of planning processes and multi-year master plans drive the development of the ten year capital program. Examples include:

- Vision 2026
- York Region Official Plan
- Centres and Corridors Strategy
- Growth Management Strategy
- Transportation Master Plan
- Water and Wastewater Master Plans
- Pedestrian Master Plan / Cycling Master Plan
- York Region Sustainability Strategy "Towards a Sustainable Region"

Growth continues to be the primary driver of the 2011 capital budget and ten year capital program. The majority of the projects are for new capital infrastructure to address the growth and development demands of York Region. However, increased emphasis is being placed on maintaining York Region's capital asset infrastructure and providing for its eventual replacement with a reduced reliance on debt financing in order to contribute to York Region's financial sustainability.

2011 Capital Budget Financial Summary

Capital Financing

Part of York Region's Financial Mission Statement states "Capital Financing and debt practices will be responsive and fair to the needs of both current and future taxpayers and will be reflective of the underlying life cycle and nature of the expenditure."

As noted above, growth continues to be the primary driver for the 2011 Capital Budget and the Ten Year Capital Plan. In order to accommodate this growth, York Region has reprioritised its' capital infrastructure program over the last several years , particularly in wastewater, water and rapid transit infrastructure. As a result, there has been a significant increase in the issuance of debt to help finance these expenditures. The majority of debt issued is to be recovered from future development charge revenues.

Capital Asset Management

In 2006 Finance undertook a review of the Region's existing capital asset inventory and initiated the development of the Long Range Fiscal Planning Strategy. That review and strategy identified the need to develop a capital financing plan that would provide for the replacement over the next 50 years of approximately \$6.3 billion of existing infrastructure as well as the replacement of new capital assets as they are acquired. The Region included a provision of \$6.2 million, \$12.8 million, \$15.2 million, \$22.6 million and \$30.1 million in budget years 2007, 2008, 2009, 2010 and 2011 respectively for allocation to reserves for capital asset replacement. Furthermore, it is intended that an additional 1% of annual tax levy be contributed to the reserves to reduce the reliance on debt financing for the Region's infrastructure needs.

As part of the Long Range Fiscal Planning Strategy, a Capital Asset Management Plan has been developed in conjunction with the Region's Tangible Capital Asset reporting, as mandated by the Canadian Institute of Chartered Accountants (CICA) and Public Sector Accounting Board (PSAB). This information is also being compiled to determine the adequacy of the Region's reserve funds for asset replacement, and to support a long term strategy to provide funding to tax levy and rate supported reserves.

To assist with the reporting of capital assets and to determine the impact of new capital assets on replacement reserves, starting in the 2009 budget projects in the capital plans have been grouped to separately identify tangible capital assets and non-tangible capital assets.

Development Charges

Development charges (DC's) are collected to recover the growth-related capital costs associated with residential and non-residential development that create the need for the capital works. As the majority of York Region's capital expenditures are growth related, development charges are a major source of financing for York Region's capital plan. The balance of the source of financing for the Region's capital plan includes tax levy, provincial and federal grants and user rates.

York Region's current Region-wide Development Charge By-law came into effect on June 18, 2007 and expires on June 17, 2012. Currently the Nobleton Community has the only area-specific development charge for the sanitary sewer component of the charge. The area-specific development charge By-law came into effect on September 21, 2006 and will be updated on September 21, 2011.

2011 Capital Budget Financial Summary

As part of the passage of the Region-wide DC by-law in 2007, the Region committed to revisiting the DC By-law once the Water and Wastewater and Transportation Master Plans were approved by Regional Council. Regional Council established a threshold that if the development charge that would result from the updated master plan infrastructure requirements exceeded the current development charge rate by more than 5%, the Region would undertake to revise development charge rates.

The approved Water and Wastewater and Transportation Master Plans' recommendation resulted in increased costs for the identified growth related capital works. Subsequently, staff conducted a preliminary review of the impacts of the Master Plans on the development charges. It was determined at that point the development charge impact for the Water and Wastewater and Roads capital works exceeded the 5% threshold established with the passage of the 2007 Development Charge By-law.

As a result, on April 22, 2010 Regional Council authorized an update to the 2010 DC By-law for the roads, water and wastewater components, to ensure that the rate was sufficient to fund the new Water and Wastewater and Transportation Master Plans. However, for the Transit component, since the historical service level restrictions in place at the time of the 2007 Development Charge By-law approval would still apply for this amendment, the Region could not capture any revised costs associated with Master Plan projects.

Accordingly, Regional Council in the passing of the revised DC By-law approved a phase-in of the 2010 DC rates. The first phase-in included an increase of the single family dwelling by \$2,000 on September 24, 2010. The second phase-in, on January 10, 2011, further increased the rate \$4,770 for a total charge of the single family dwelling to \$30,950. These cost increases will bring the Region to full cost recovery for all residential rate categories following the inclusion of the increased costs of the master plan projects. This will assist the Region financially towards ensuring that much of the growth-related capital costs will be recovered from growth.

On June 17, 2012, the current Regional DC By-law will expire. Accordingly, Regional staff has initiated a comprehensive review of the DC By-law. It is anticipated that this process will review and update Regional DC By-law's policies and procedures, methodologies and assumptions. The process is guided through a work plan that details steps associated with the analysis of the methodologies and assumptions used to determine DC rates. Additionally, the plan will facilitate industry and stakeholder meetings to be held throughout the process. This process will ensure that all stakeholders understand the Region's infrastructure needs, their associated costs, the methodology applied, as well as addressing development industry concerns.

2011 Capital Budget Financial Summary

Debt and Debt Financing

Section 401 of the Municipal Act grants Council the authority to issue debentures, when deemed in the best interest of its taxpayers, to finance its own capital expenditures as well as those of its area municipalities and school boards.

“Best interest” for York Region will be consistent with the Region’s Financial Mission Statement, adopted by Council in 1999, which includes the following key financial principles with respect to capital financing and debt practices:

“Capital financing and debt practices will be responsive and fair to the needs of both current and future taxpayers and will be reflective of the underlying life cycle and nature of the expenditure.”

This philosophy is also reflected in the Region’s Capital Financing and Debt Policy as updated and approved by Council in June 2006 wherein the following primary objectives were set out:

- Adhere to statutory requirements
- Ensure long-term financial flexibility
- Limit financial risk exposure
- Minimize long-term cost of financing
- Match term of financing to the useful life of the related asset

A municipality may only issue new debentures provided that the projected financial charges related to the outstanding debt will be within the annual debt repayment limit (ARL) prescribed by the Ministry of Municipal Affairs and Housing (MMAH). This limit is set at 25 per cent of a municipality’s own source revenues less debt charges and financial commitments. In the event that the projected financial charges will exceed the ARL, a municipality may still issue new debt provided that authority is previously received from the Ontario Municipal Board (OMB).

The calculation of own source revenues excludes any development charge receipts. This is very detrimental to a growth municipality such as York Region, as most of our debt will be funded from development charges.

In 2011, assuming that all capital expenditures are carried out as planned, the financial charges associated with the new debt required would exceed York Region’s ARL and it will have to either seek OMB approval for its debt issues or enter into discussions with the Province to obtain the necessary authority.

As stated, the Municipal Act permits the Region to issue debentures on behalf of local municipalities and school boards. York Region’s ability to raise debt for these entities is not impacted by its own ARL as each municipality and school board is governed by their own debt limits. Long-term liabilities shown below exclude that portion assumed by and recoverable from these entities as they are responsible for raising the funds required to service these liabilities.

2011 Capital Budget Financial Summary

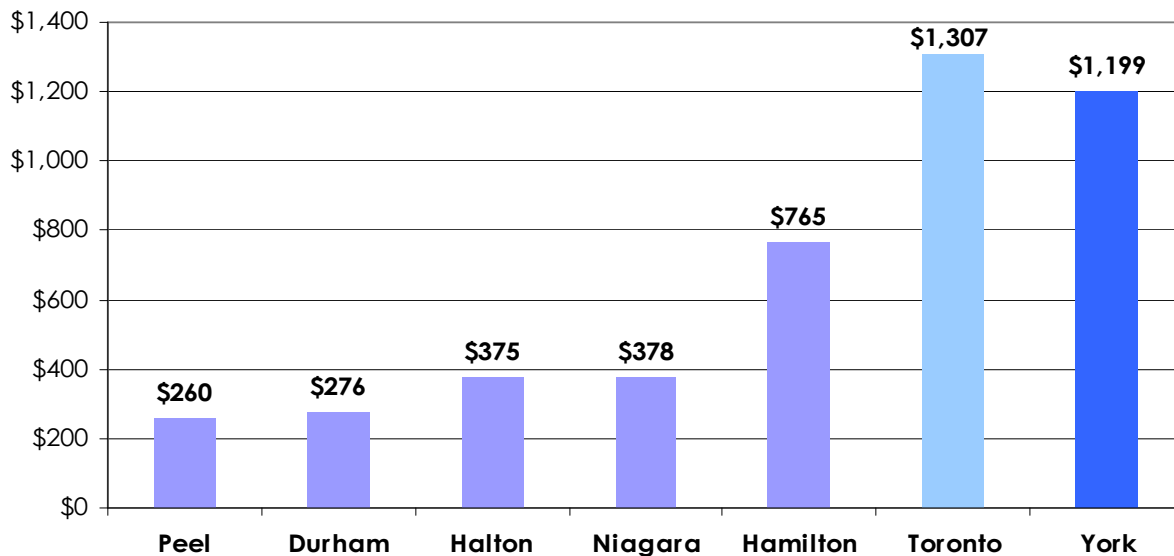
Debt Issuance Trend

To date, York Region has maintained “AAA” ratings from Moody’s and Standard & Poor’s credit rating agencies, allowing it to issue debt at the lowest possible interest rates. While high debt level relative to other AAA rated municipalities has been consistently noted by credit rating agencies, the agencies have pointed to the Region’s Reserve Management, including its commitment to continue increasing its Replacement Reserves and the Region’s diversified economy as being the major reasons for continuing to provide us favourable credit ratings.

The tables on the following pages also point to a significant escalation of debt burden both on an absolute and a per capita basis. The most significant component of this projected upward trend in debt relates to the new development of water and wastewater infrastructure for new development which is financed through Development Charges. In 2010, Council updated its development charge rates for water and wastewater which will help to increase funds available for new development projects.

The table below depicts the per capita debt level as at December 31, 2009 for the GTA municipalities.

**GTA Municipalities
Long-term Debt Per Capita
December 31, 2009**



2011 Capital Budget Financial Summary

The following is a historical schedule of outstanding long-term liabilities by issuer:

Schedule of outstanding long-term debt* (\$000):

	2003	2004	2005	2006	2007	2008	2009**	2010**
For regional purposes	353,069	512,896	702,199	936,425	1,022,467	958,607	1,238,572	1,349,501
On behalf of area municipalities	18,991	49,239	73,450	128,601	146,716	142,142	153,297	165,597
On behalf of school boards	34,239	23,759	14,295	6,612	0	0	0	0
Total outstanding	406,299	585,894	789,944	1,071,638	1,169,183	1,100,749	1,391,869	1,515,098

* Excluding mortgages incurred by Housing Corporation.

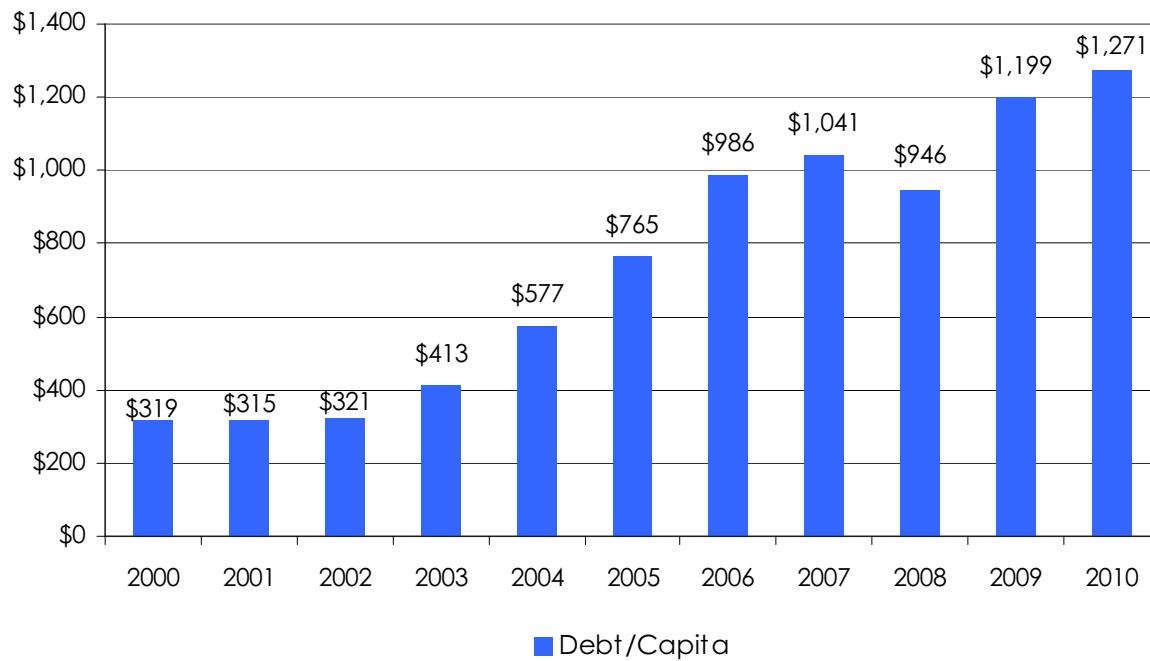
** 2009 and 2010 figures refer to the Region's net debt.

Outstanding York Region Debt Excluding Debentures Issued On Behalf Of York Region School Boards and Local Municipalities

Year	Outstanding Debt	Population	Debt per Capita
1999	\$ 231,513,250	712,750	\$325
2000	\$ 240,384,849	754,000	\$319
2001	\$ 249,667,176	792,150	\$315
2002	\$ 264,844,662	825,594	\$321
2003	\$ 353,068,600	855,056	\$413
2004	\$ 512,895,917	889,600	\$577
2005	\$ 702,199,469	918,383	\$765
2006	\$ 936,424,832	950,112	\$986
2007	\$ 1,022,466,543	982,400	\$1,041
2008	\$ 958,606,966	1,013,100	\$946
2009	\$ 1,238,571,861	1,032,606	\$1,199
2010	\$ 1,349,501,471	1,061,983	\$1,271

2011 Capital Budget Financial Summary

York Region Trend in Debt per Capita



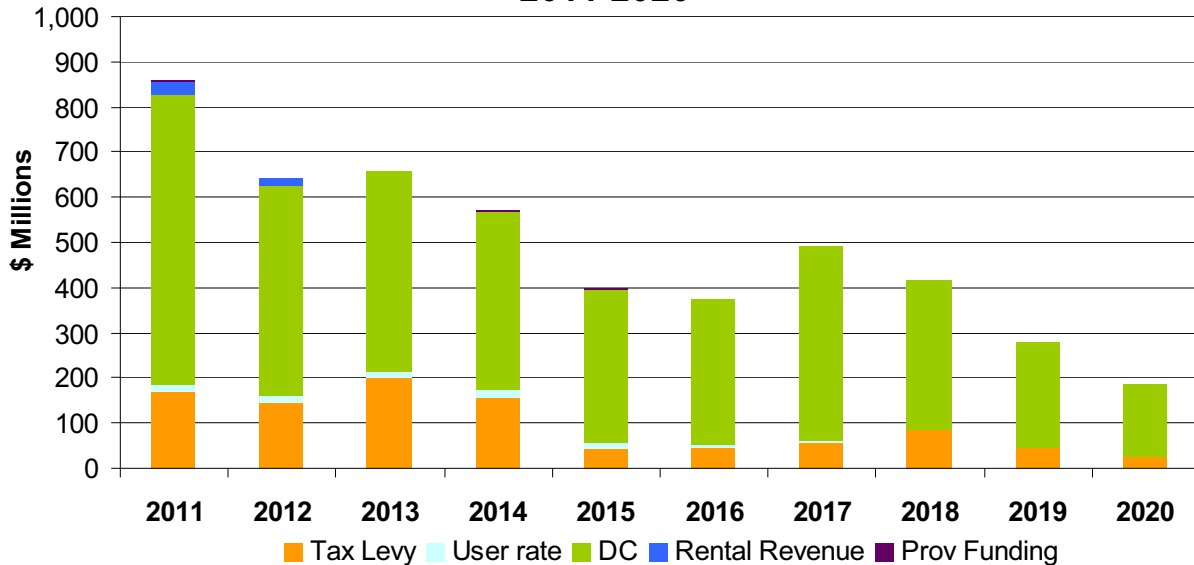
Funding Outstanding Debt

Increased infrastructure needs to service the growing population especially relating to large water and wastewater projects and the implementation of the Rapid Transit initiative will continue to have a significant impact on debt financing requirements over the next several years.

Due to significant population and employment growth experienced in the last several years, York Region's long term capital program, in particular, the road, water and sewer infrastructure plans, have been accelerated to accommodate the higher demands. As a result, there has been a significant increase in the amount of new debt required. However, the majority of this debt will be recovered from future development charge revenues. To support its capital plan, the Region will need to issue approximately \$847 million of new debt in 2011 and a further \$640 million in 2012. Over the 10 year forecast period of the capital plan, it is estimated the Region will need to issue, in total, about \$4.87 billion of new debt. This amount does not include an estimated \$360 million of debt which will be refinanced in 2019 and 2020 and which has already been approved by Council.

2011 Capital Budget Financial Summary

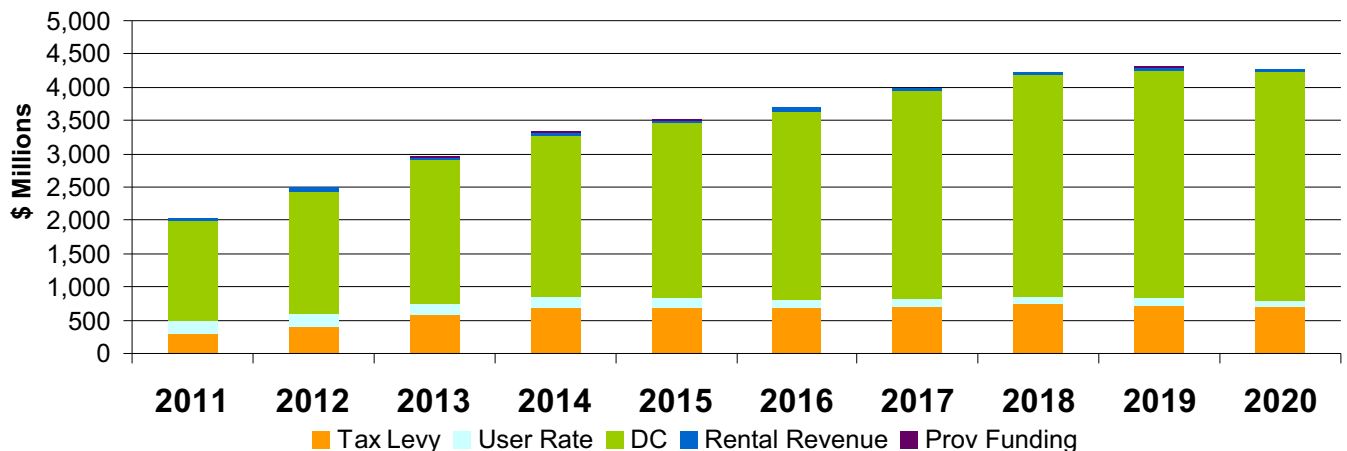
New Debt to be Issued 2011-2020



New debt includes \$375 million carry-forward that will be spent from 2011 to 2015, and excludes interfund DC borrowing requirements.

The following graph details the projected total outstanding debt resulting from the ten year capital plan (2011 - 2020).

Outstanding Debt Projection 2011 to 2020

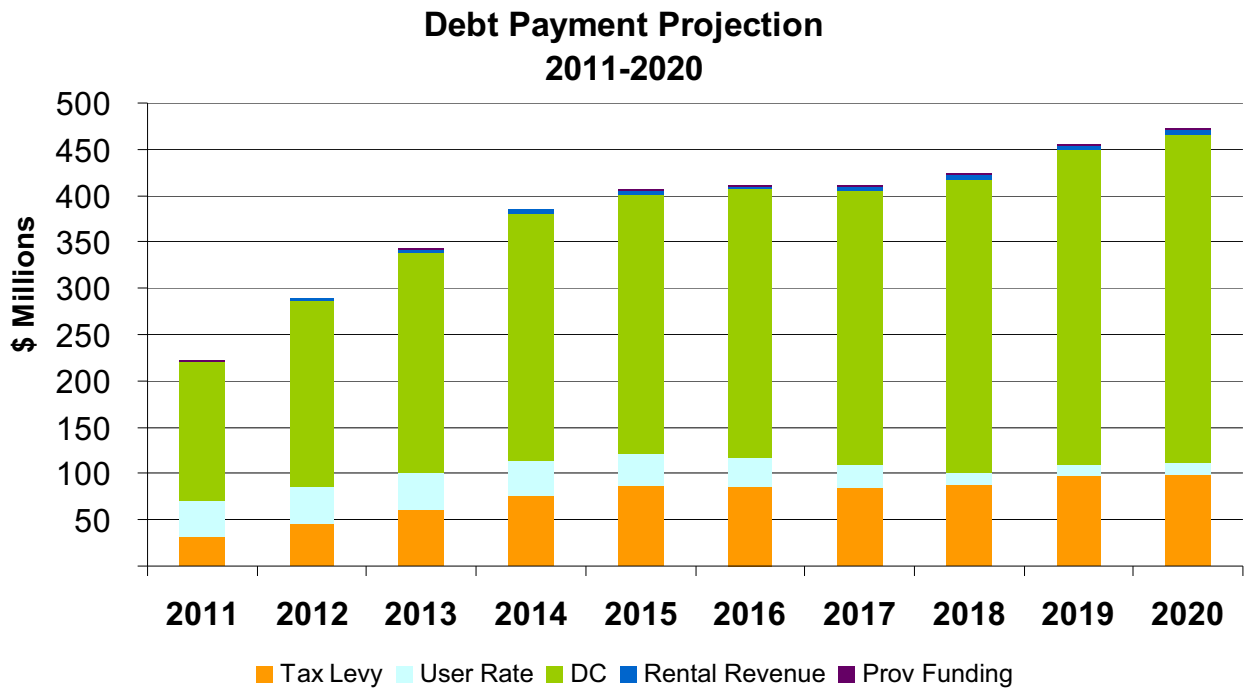


Notes:

1. Extra Debt is assumed to be issued to maintain reserve balance at a minimum of one year Principal and Interest payment for the following year.
2. It is assumed that debt to be refinanced in 2019 and 2020 was issued at 20 year term instead of 10 year in 2009 and 2010.

2011 Capital Budget Financial Summary

The following graph details the sources of funding for projected debt service costs:



Notes:

1. Extra Debt is assumed to be issued to maintain reserve balances at one year of principal and interest payment in the following year as buffer .
2. It is assumed that debt to be refinanced in 2019 and 2020 was issued at 20 year term instead of 10 year in 2009 and 2010.

2011 Capital Budget Financial Summary

Reserves and Reserve Fund Policy

Under the *Municipal Act*, Council has the authority to establish reserves as required. Reserves and reserve funds can be formed to meet specific liabilities such as the replacement / rehabilitation or acquisition of capital assets. When expenditures are outside the Region's control, these reserves can also be used to stabilize the tax levy and / or user rates.

In addition, the *Development Charges Act, 1997* and other legislation require that municipal governments maintain specific reserves. Such reserves include development charge deferred revenue. The majority of the Region's reserves are segregated and legally restricted to only meet the purpose for which the reserve fund was established (e.g. water, wastewater, solid waste, and provincial highways).

The Region's financial philosophy has been developed through a combination of historical prudence and the adoption of best practices among municipal governments. This philosophy was embodied in the Financial Mission Statement, adopted by Council in 1999, which formally commits the organization to fiscal responsibility and sound financial management to ensure adequate funding of services and capital infrastructure. In conjunction with the Financial Mission Statement, Council adopted the following Financial Principle, which specifically addresses the use of reserves:

"Adequate reserves will be maintained to:

1. Replace and rehabilitate major capital infrastructure assets as required
2. Provide a buffer for significant unanticipated expenditures beyond the control of the Region
3. Supply funds for new major capital assets identified in the long-term corporate strategy."

In addition, adequate reserves promote fiscal opportunity reflecting a primary goal of Vision 2026.

The Region's policy and practice with respect to reserves are major factors in maintaining the "AAA" rating assigned to it by credit rating agencies. This rating allows the Region to raise funds in the capital markets at the lowest possible borrowing rates which minimize the long-term costs for infrastructure capital.

2011 Capital Budget Financial Summary

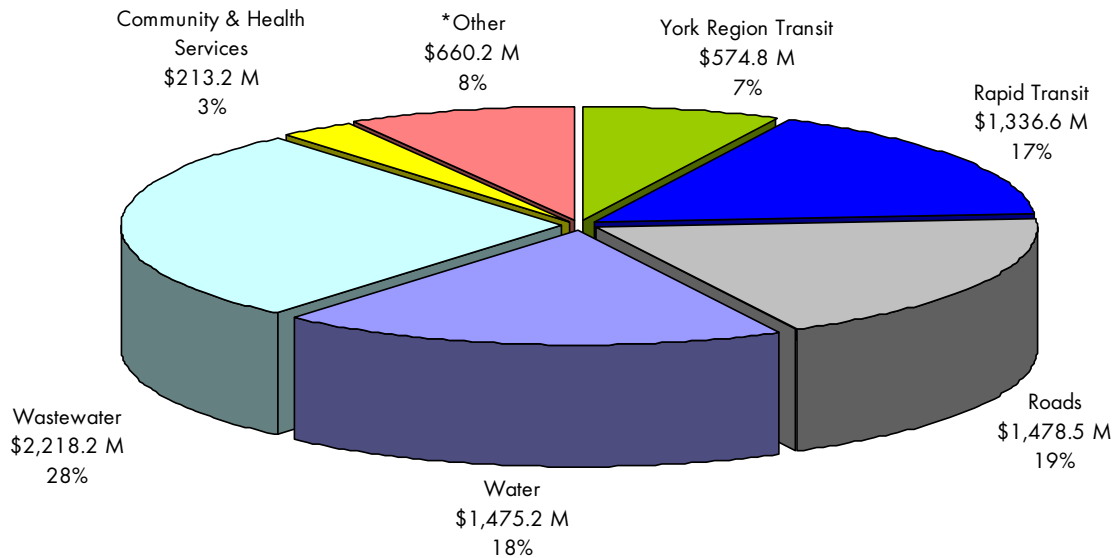
Ten Year Capital Plan Detailed Review

The following information and graphics provide details of the Region's 2011 Ten Year Capital Plan and associated financing sources.

Ten Year Capital Plan Expenditures

To meet future infrastructure needs, \$8.0 billion of gross capital expenditures have been forecast for the ten year period. The following chart presents the capital expenditure by service area.

2011 Ten Year Gross Capital Expenditures \$8.0 Billion



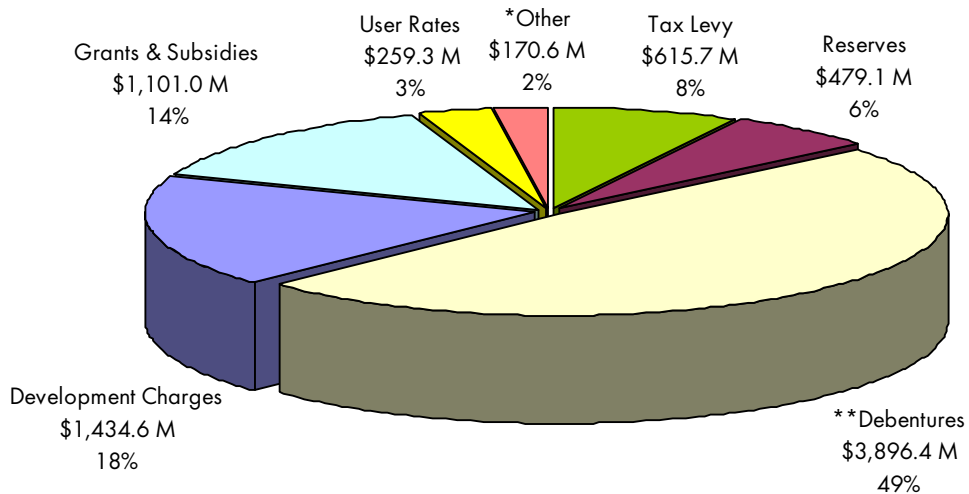
* Other \$660.2M	
Solid Waste	\$137.2 M
IT	\$104.7 M
Property Services	\$243.3 M
Police	\$175.0 M

2011 Capital Budget Financial Summary

Ten Year Capital Plan (Continued)

The following chart details the associated financing source for the forecasted gross capital expenditure of \$8.0 billion for the ten year period.

2011 Ten Year Capital Financing by Category \$8.0 Billion



* Other \$170.6M	
Developer Up Front Financing	\$76.8 M
Municipal Funding	\$21.3 M
Third Party Recoveries	\$68.1 M
Sale of Equipment	\$4.4 M

**Debtentures \$3,896.4	
Tax Levy	\$ 952.8 M
Development Charges	\$2,824.8 M
User Rates	\$ 66.4 M
Other Recoveries	\$ 52.4 M

Note: Grants & Subsidies include Federal Gas Tax

The report on the following page summarizes expenditures by need category and service area in the forecasted Ten Year Capital Plan.



2011 Business Plan and Budget
Capital Budget Consolidated Summary
10 Year Gross Capital Expenditures by Need Category 2011 - 2020

(in \$ 000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
York Region Transit	2,173	7,000	10,627	2,348	10,791	18,402	53,351	73,460	37,791	25,011	240,952
Roads	12,613	18,051	20,740	17,430	17,900	17,900	17,900	17,900	17,900	17,900	176,234
Water Services	10,595	13,042	15,231	14,528	14,775	15,580	17,491	14,820	15,098	14,745	145,905
Wastewater Services	21,910	19,378	22,495	36,948	38,727	52,292	30,885	30,187	36,650	31,850	321,322
Solid Waste Management	406	770	20	20	20	20	20	20	20	20	1,336
Emergency Medical Services	6,183	6,279	4,449	3,833	3,499	5,087	3,847	4,337	3,998	3,481	44,993
Long Term Care	1,578	1,398	716	338	368	332	332	368	338	338	6,106
Information Technology Services	4,956	5,350	9,105	5,459	13,355	4,608	10,874	7,226	14,606	7,663	83,202
York Regional Police	7,585	9,064	15,635	16,060	8,450	8,810	9,200	11,060	9,220	10,750	105,834
Sub Total Rehabilitation/Replacement	67,999	80,332	99,018	96,964	107,885	123,031	143,900	159,378	135,621	111,758	1,125,884
Growth/Expansion											
York Region Transit	40,668	52,071	60,287	37,446	21,558	15,563	15,571	15,613	15,563	32,646	306,984
Rapid Transit	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	1,336,632
Roads	101,409	112,281	103,032	125,756	147,561	157,001	154,647	108,882	89,481	78,139	1,178,189
Water Services	149,225	189,025	189,287	188,544	171,589	134,769	69,893	67,505	28,085	25,678	1,213,600
Wastewater Services	106,884	222,997	264,297	207,500	180,076	211,635	227,893	187,492	153,490	68,867	1,831,131
Solid Waste Management	5,555	-	350	6,940	3,790	19,900	11,000	-	-	-	47,535
Emergency Medical Services	1,310	1,205	755	1,205	755	1,090	640	450	805	1,255	9,470
Long Term Care	-	1,000	4,440	11,021	4,875	-	-	-	-	-	21,336
Housing Services	111,320	16,886	-	-	-	-	-	-	-	-	128,206
Public Health Services	300	-	-	-	-	-	-	-	-	-	300
Information Technology Services	600	1,445	1,470	875	890	615	240	415	415	490	7,455
Property Services	34,686	24,189	64,960	58,836	13,842	-	-	-	-	-	196,513
York Regional Police	1,615	2,650	9,670	14,690	710	19,986	5,750	770	780	5,800	62,421
Sub Total Growth/Expansion	855,580	1,013,843	946,116	817,844	700,096	570,229	504,214	400,347	306,980	224,522	6,339,771



2011 Business Plan and Budget
Capital Budget Consolidated Summary
10 Year Gross Capital Expenditures by Need Category 2011 - 2020

(in \$ 000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Enhancement/Improvement											
York Region Transit	3,860	2,110	3,540	2,395	2,550	905	910	915	920	925	19,030
Roads	170	170	170	170	170	170	170	170	170	170	1,700
Water Services	245	-	-	-	-	-	-	-	-	-	245
Wastewater Services	-	-	-	-	-	591	968	6,994	7,898	7,898	24,349
Solid Waste Management	-	18,000	32,048	37,762	-	-	-	-	-	-	87,810
Emergency Medical Services	1,260	360	300	-	-	-	-	-	-	-	1,920
Long Term Care	200	250	150	-	-	-	-	-	-	-	600
Information Technology Services	1,500	2,525	2,350	1,575	1,100	1,100	975	975	975	975	14,050
Property Services	2,561	-	-	-	-	-	-	-	-	-	2,561
York Regional Police	1,111	488	377	450	1,035	758	450	450	1,035	585	6,739
Sub Total Enhancement/Improvement	10,907	23,903	38,935	42,352	4,855	3,524	3,473	9,504	10,998	10,553	159,004

Total Tangible Capital Assets	934,486	1,118,078	1,084,069	957,159	812,836	696,784	651,587	569,229	453,599	346,833	7,624,659
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Non-Tangible Capital Assets											
Rehabilitation/Replacement											
York Region Transit	1,250	2,174	1,035	510	1,120	840	570	300	-	-	7,799
Roads	4,300	3,950	3,950	3,980	3,980	1,480	1,480	1,480	1,480	1,480	27,560
Property Services	3,253	1,475	2,736	1,798	10,838	2,400	3,397	7,889	3,378	-	37,164
Sub Total Rehabilitation/Replacement	8,803	7,599	7,721	6,288	15,938	4,720	5,447	9,669	4,858	1,480	72,523
Growth/Expansion											
Roads	22,025	12,710	9,842	7,445	8,621	5,730	9,220	9,240	4,980	4,980	94,793
Water Services	24,830	9,910	9,306	7,987	8,117	8,276	8,774	9,498	9,466	16,412	112,576
Wastewater Services	130	5,110	4,930	1,080	930	830	830	1,080	1,180	1,223	17,323
Solid Waste Management	-	-	50	50	-	-	-	-	-	-	100
Housing Services	80	80	80	-	-	-	-	-	-	-	240
Property Services	3,231	-	-	-	-	-	-	-	-	-	3,231
Sub Total Growth/Expansion	50,296	27,810	24,208	16,562	17,668	14,836	18,824	19,818	15,626	22,615	228,263



2011 Business Plan and Budget
Capital Budget Consolidated Summary
10 Year Gross Capital Expenditures by Need Category 2011 - 2020

(in \$ 000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Enhancement/Improvement											
Water Services	1,331	970	125	-	100	250	-	-	-	100	2,876
Wastewater Services	2,018	2,135	2,179	2,228	2,182	2,491	2,555	2,526	2,852	2,935	24,101
Solid Waste Management	-	500	-	-	-	-	-	-	-	-	500
Property Services	870	520	300	300	300	300	300	300	300	300	3,790
Sub Total Enhancement/Improvement	4,219	4,125	2,604	2,528	2,582	3,041	2,855	2,826	3,152	3,335	31,267
Total Non-Tangible Capital Assets	63,318	39,534	34,533	25,378	36,188	22,597	27,126	32,313	23,636	27,430	332,053
TOTAL GROSS EXPENDITURES	997,804	1,157,612	1,118,602	982,537	849,024	719,381	678,713	601,542	477,235	374,263	7,956,712
Rehabilitation/Replacement	76,801	87,931	106,739	103,252	123,823	127,751	149,347	169,047	140,479	113,238	1,198,407
Growth/Expansion	905,876	1,041,653	970,324	834,406	717,764	585,065	523,038	420,165	322,606	247,137	6,568,034
Enhancement/Improvement	15,126	28,028	41,539	44,880	7,437	6,565	6,328	12,330	14,150	13,888	190,271
TOTAL GROSS EXPENDITURES	997,804	1,157,612	1,118,602	982,537	849,024	719,381	678,713	601,542	477,235	374,263	7,956,712
Financing Sources											
Tax Levy - Reserves	47,632	56,135	62,802	64,085	62,313	62,945	65,932	69,746	64,273	59,840	615,705
Reserves	57,725	33,167	44,091	42,217	57,234	61,569	45,923	45,842	51,375	39,957	479,100
Debtenture Proceeds	326,708	537,754	626,022	576,280	407,998	382,680	373,185	330,706	206,684	128,413	3,896,430
Development Charges	197,976	170,242	145,403	144,729	159,708	163,217	148,392	111,906	108,269	84,717	1,434,560
Grants & Subsidies	328,504	279,611	175,623	112,679	112,771	15,194	15,207	15,252	15,209	30,991	1,101,040
Water & Wastewater User Rates	21,645	18,703	25,079	27,476	31,314	26,404	26,919	25,649	29,989	26,102	259,280
Other Recoveries	17,613	61,999	39,583	15,071	17,685	7,372	3,155	2,441	1,436	4,243	170,598
TOTAL FINANCING SOURCES	997,804	1,157,612	1,118,602	982,537	849,024	719,381	678,713	601,542	477,235	374,263	7,956,712

2011 Capital Budget Financial Summary

Ten Year Capital Plan Highlights

The following highlights some of the key projects in the Ten Year Capital Plan by service area:

York Region Transit (YRT) - \$574.8 million

- Including purchase of new and replacement conventional buses and transit vehicle garages

Rapid Transit - \$1.3 billion

- Including construction of Spadina subway extension, Bus Rapid Transit Facilities and Terminals and Vehicles and preliminary engineering for the Yonge Street subway extension

Roads - \$1.5 billion

- Including major road widening, transit supportive and intersection improvement projects throughout York Region

Water - \$1.5 billion

- Development of water supply and distribution projects with Peel and Toronto

Wastewater - \$2.2 billion

- Including expansion of Duffin Creek Water Pollution Control Plant, York Durham Sewage System Southeast Collector, Upper York Sewage Solutions

Community and Health Services - \$213.2 million

- Including construction of additional social housing units, EMS vehicles and paramedic response stations

Other - \$660.2 million

- Including construction of Central and South Service Centres, Community Environmental Centres, Energy from Waste and Source Separated Organics facilities as well as purchase of Police vehicles, IT Hardware and Software.

2011 Capital Budget Financial Summary

New Total Project Budget Authority (TPBA) Detailed Review

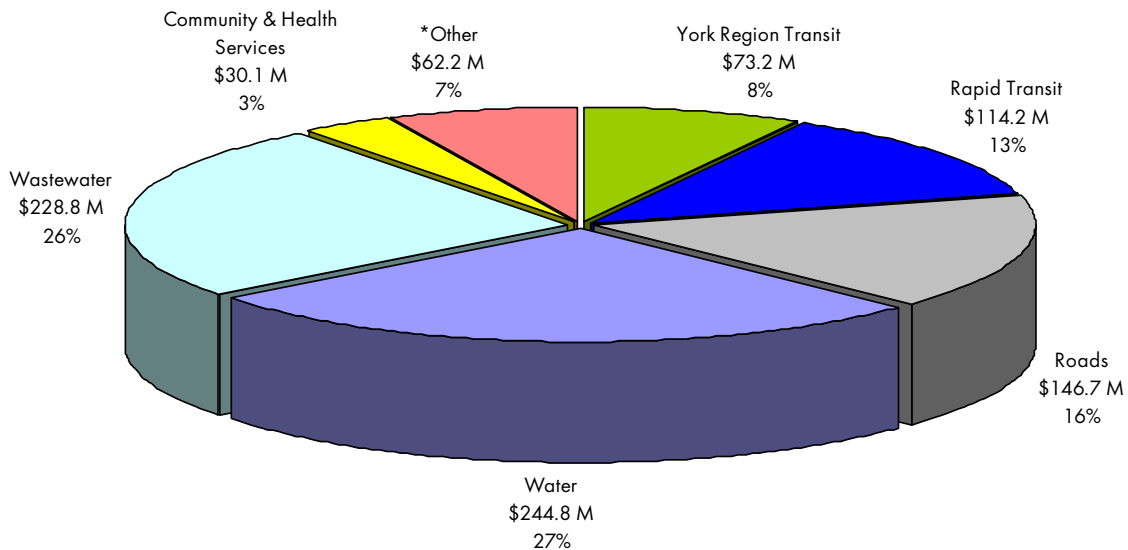
The budget process focuses approval at the project level. In 2010 the "Total Project Budget Authority" approach was implemented and multi-year commitments were approved. In 2011 Regional Council will be asked to approve changes from the approved 2010 Total Project Budget Authority, along with new projects introduced in 2011.

The following information and graphics provide details of the Region's 2011 New TPBA and associated financing sources.

New Total Project Budget Authority (TPBA) Expenditures

The following chart outlines the 2011 New Total Project Budget Authority by service area.

2011 New TPBA Expenditures \$900.0 Million



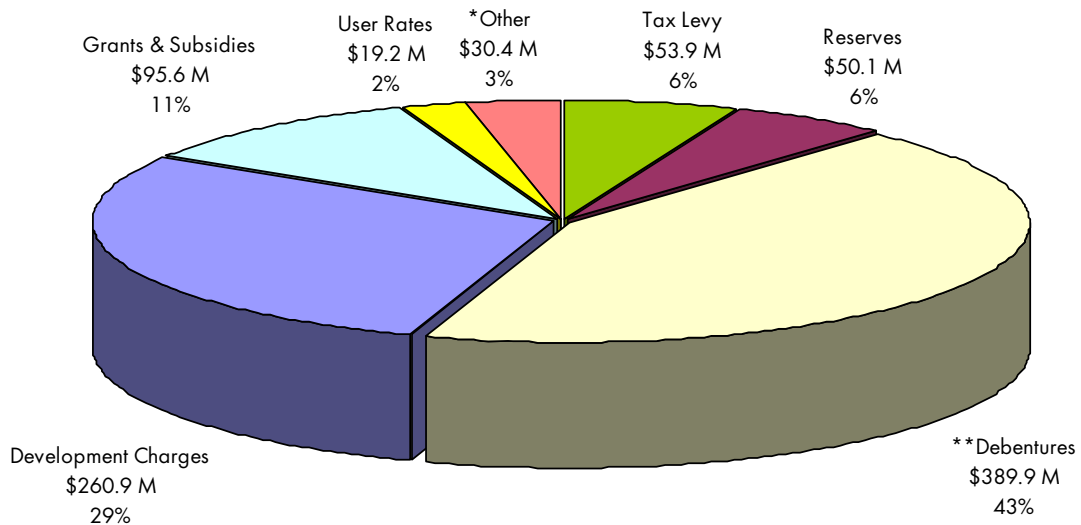
*Other \$62.2 M	
Solid Waste	\$ 3.5 M
IT	\$ 5.5 M
Property Services	\$42.9 M
Police	\$10.3 M

2011 Capital Budget Financial Summary

New Total Project Budget Authority (Continued)

The following chart details the associated financing sources for the 2011 New Total Project Budget Authority.

2011 New TPBA Financing by Category \$900.0 Million



* Other \$30.4M	
Developer Up-Front Financing	\$ 0.6 M
Municipal Funding	\$ 1.6 M
Third Party Recoveries	\$27.8 M
Sale of Equipment	\$ 0.4 M

** Debentures \$389.9 M	
Tax Levy	\$118.2 M
Development Charges	\$276.6 M
User Rates	(\$ 17.8 M)
Other	\$ 12.9 M

Note: Grants & Subsidies include Federal Gas Tax

The table on the following page provides a breakdown of the associated financing sources for the 2011 New Total Project Budget Authority by service area.



2011 Business Plan and Budget

Capital Budget Consolidated Summary

2011 New Total Project Budget Authority Financing Sources

(in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/venture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported								
York Region Transit	73,211	8,105	1,740	2,820	3,582	56,964	-	-
Rapid Transit	114,206	-	335	(35,832)	111,030	38,673	-	-
Roads	146,716	36,599	1,425	-	107,097	-	-	1,595
Solid Waste Management	3,568	-	2,913	655	-	-	-	-
Emergency Medical Services	9,208	3,088	1,780	4,205	135	-	-	-
Long Term Care	2,831	-	2,831	-	-	-	-	-
Housing Services	17,711	-	4,766	12,945	-	-	-	-
Public Health Services	300	-	-	-	300	-	-	-
Information Technology Services	5,556	-	5,556	-	-	-	-	-
Property Services	42,885	244	9,641	33,000	-	-	-	-
York Regional Police	10,311	5,851	-	3,686	388	-	-	386
Total Tax Supported	426,502	53,887	30,986	21,479	222,532	95,637	-	1,981
Rate Supported								
Water Services	244,793	-	8,603	208,877	22,840	-	3,936	537
Wastewater Services	228,754	-	10,480	159,572	15,512	-	15,236	27,954
Total Rate Supported	473,547	-	19,083	368,449	38,352	-	19,172	28,491
TOTAL FINANCING SOURCES	900,049	53,887	50,069	389,928	260,884	95,637	19,172	30,472

2011 Capital Budget Financial Summary

2011 New Total Project Budget Authority (TPBA) – Significant Projects

The following highlights significant capital investment and initiatives proposed in the 2011 New Total Project Budget Authority of \$900.0 million.

York Region Transit - \$73.2 million

- Conventional buses – new (42), replacement (6)
- Construction of 2 Transit Vehicle Garages

Rapid Transit - \$114.2 million

- Yonge Subway Extension (Preliminary Engineering)
- Capacity Upgrade Projects
- Spadina Subway Extension
- Bus Rapidways and Stations
- Facilities and Terminals
- Vehicles
- Light Rail Transit

Roads - \$146.7 million

- Donald Cousens Parkway - Hwy 407 to Box Grove By-Pass (construction)
- Bloomington Road – Yonge Street to Bayview Avenue (road widening)
- Major Mackenzie Dr - CPR to Hwy 27 (Design/ Property) realignment/jog elimination
- Woodbine Avenue – Major Mackenzie Drive to 19th Avenue (road widening)
- Southeast Patrol Area Works Yard
- Doane Road – Highway 404 to Yonge Street (Class Environmental Assessment)
- Road expansions to 4 lanes in built up areas
- Transit supportive road projects
- Asset Management to maintain state of good repair (Resurfacing, Improvements and Intersections)

Water - \$244.8 million

- Peel Water Supply – Shared work and “Buy-in Payments”
- Toronto Cost Shared Work
- North Richmond Hill Elevated Tank Number 2 and Watermains (Yonge, Vandonf, Bloomington and Bayview)
- Aurora Elevated Tank

2011 Capital Budget Financial Summary

2011 New Total Project Budget Authority (TPBA) – Significant Projects (Continued)

Water - \$244.8 million (Continued)

- Water supply systems in West Park Heights, Keswick & Georgina
- Water for Tomorrow Program
- Water Efficiency and Conservation Programs

Wastewater - \$228.8 million

- Duffin Creek Upgrade & Refurbishment (Stages 1 and 2)
- Upper York Sewage Solutions (Pre-Construction)
- York Durham Sewer Servicing (YDSS) – Leslie Street Pumping Station Upgrade
- Keswick Water Pollution Control Plant (WPCP) Expansion
- Joe Dales Force mains & Pumping Station Upgrades
- York Durham Sewer Servicing (YDSS) 16th Avenue Trunk (Stone Mason – Woodbine)

Community & Health Services - \$30.1 million

- Investing in Ontario – New affordable housing units
- Woodbridge – 130 to 150 additional social housing units on an existing site
- Long Term Care – Newmarket Health Centre and Maple Health Centre works
- EMS Vehicle Replacement (16)
- Schomberg Paramedic Response Stations

Other - \$62.2 million

- Central Service Centre – north parking lot construction
- Accommodation Master Plan - Development of 3 New South Service Centres
- Police vehicles – replacement of marked, unmarked and specialty vehicles (108)
- Purchase of I.T. Equipment and Telecommunications related equipment
- Space Intensification Initiatives
- Community Environmental Centre Richmond Hill #2
- Environmental Initiatives (Property Services)
- Long Term Care Facilities Rehabilitation

2011 Capital Business Plan

York Region Transit

Capital Strategy

Ongoing population growth and travel demand is a continuing challenge for the Region. The final draft of Five-Year YRT/VIVA Mobility Plus Service & Operational Plan (2011-2015) for conventional transit and Mobility Plus will be presented to Transportation Services Committee in early 2011. This plan, in conjunction with the new Transportation Master Plan (TMP), forms the basis for the preparation of the capital plan.

2011 will be the eleventh year of operation for York Region Transit (YRT) providing conventional, rapid and Mobility Plus services to all nine municipalities in the Region. Several different contractors operate and maintain a fleet of approximately 325 conventional and 116 rapid transit vehicles. In addition, the Toronto Transit Commission (TTC) is contracted to extend 12 of its routes north into York Region. The system is comprised of 4 transit terminals (Bernard, Promenade Mall, Richmond Hill Centre and Vaughan Mills) and approximately 5,000 bus stops with 830 shelters. Mobility Plus provides service for residents with disabilities and operates over 75 vehicles including bus, minivan and sedan taxis.

In 2010 YRT/VIVA estimates that approximately 20 million passenger trips will be provided. Mobility Plus will provide approximately 307,000 trips. The new Five-Year Plan (2011-2015) is focused on meeting on-time performance goal and promoting ridership growth. Key areas of focus:

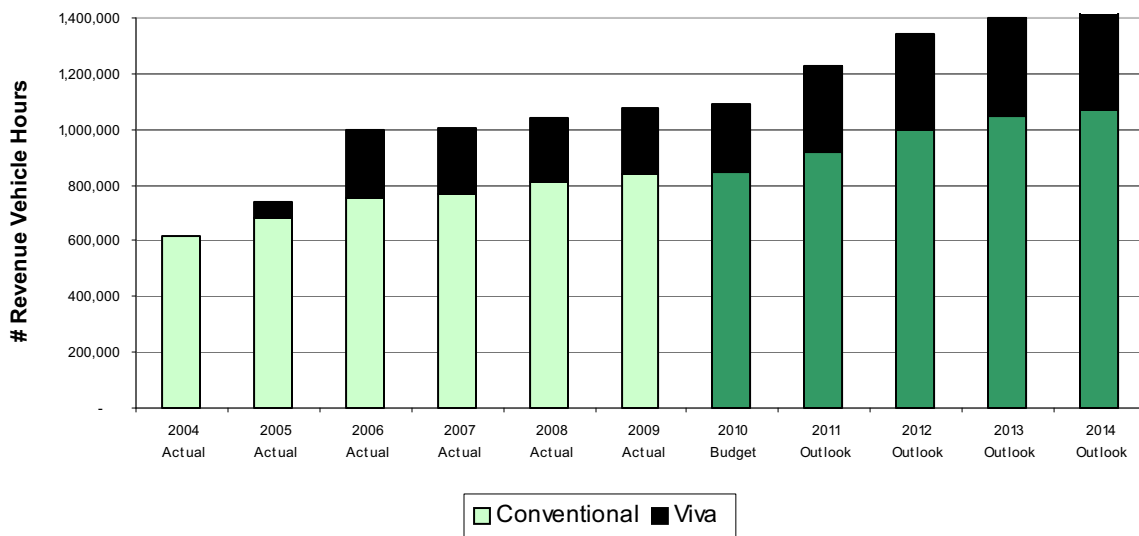
- Vehicle availability to address service demands
- Ridership retention (re impact of vivaNext construction)
- Vehicle reliability (state of good repair)
- Use of INIT system technology to analyze service performance, and work towards a Business Intelligence solution

Following the completion of the first Regional built Transit vehicle garage at 8300 Keele St. three other garages are included in the ten year capital plan. This is based on the facilities strategy proposed and approved by Regional Council in January of 2006. It was recommended that staff identify and, subject to Council approval, purchase suitable lands in Markham, Vaughan and Newmarket for the purpose of constructing transit storage and maintenance facilities.

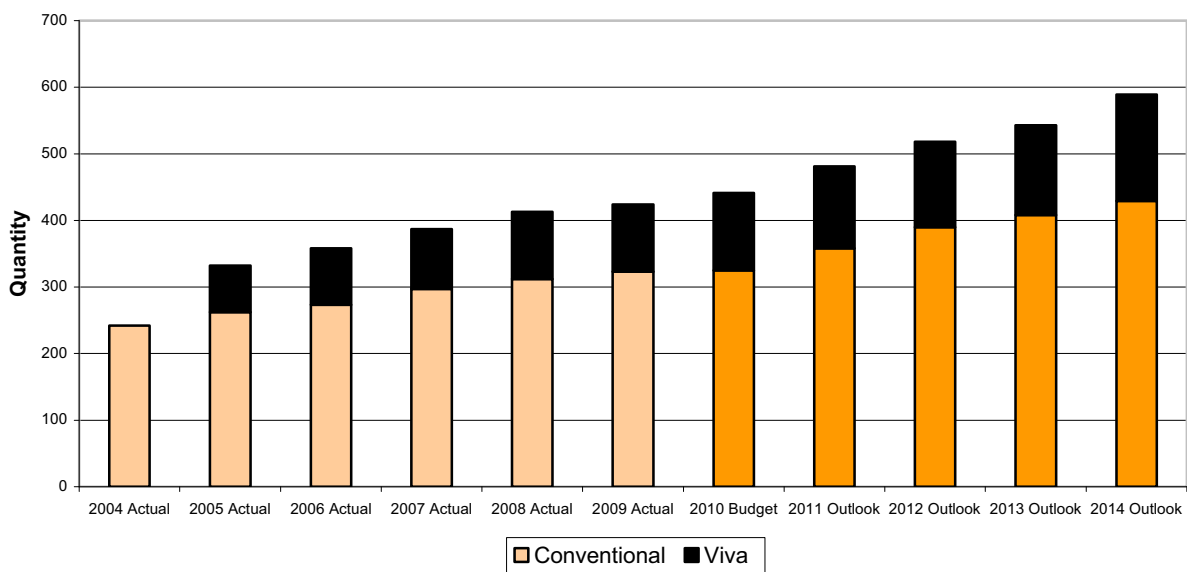
The graphs on the following page show steady growth in transit service hours and fleet size from 2004 to 2010. This trend is expected to continue for 2011 and outlook years of 2012 through 2014.

2011 Capital Business Plan York Region Transit

Conventional Revenue Vehicle Hours 2004 - 2014



Conventional Fleet 2004 - 2014



2011 Capital Business Plan

York Region Transit

Key Initiatives

Key objectives of the YRT/VIVA 10 year capital program are:

- Growth (Transit Network Expansion)
- Asset Management (State of Good Repair)
- Optimizing Network Performance

YRT/VIVA purchases new buses for both expansion and replacement purposes. In 2010, the Ontario Bus Replacement Program, which provided up to a one-third subsidy on replacement buses, was eliminated. YRT/VIVA is proposing to continue to support the 12-year bus service life, which has already been adopted by many transit systems in Ontario. A total of 174 conventional, 95 VIVA and 38 Mobility Plus buses have been included in the ten year capital plan to replace the vehicles that will have reached the end of their service lives. To maintain the YRT/VIVA fleet in good condition, bus refreshes are on-going. YRT/VIVA also maintains other capital assets, such as terminals, bus loops and stops, and the rehabilitation of these existing assets is on-going.

Expansion of services to meet growth demands requires the purchase of new vehicles and the construction of Transit facilities. 247 conventional and 23 Mobility Plus buses are included in the ten year capital plan for service expansion. YRT/VIVA is also proposing the purchase and construction of 3 garages, 2 terminals; the installation of 1,000 new bus stop signs & posts, 700 new bus pads, 250 new shelters, one bus loop, and 3 new public washrooms in the next ten years.

Efforts to improve both customer service and productivity are on-going. Many of these are focused on the use of technology to achieve service goals. YRT/VIVA is spearheading the implementation of technologies on VIVA, conventional and Mobility Plus vehicles. These include

- Computer Aided Dispatch and Automatic Vehicle Location (CAD/AVL) system
- Enhanced passenger information systems such as Interactive Voice Response (IVR), automated bus stop announcements on board buses, web based trip planning, and next bus email etc.
- Variable Message Signs (VMS) at all terminals advising customers of the next bus information
- Transit Signal Priority installed on all VIVA routes facilitates the movement of VIVA buses through busy signalized intersections
- On-board security camera system installed on all VIVA, conventional and Mobility Plus vehicles

Improved customer service is also expected to result from the introduction of the GTA smart card "Presto" fare payment system. YRT/VIVA is actively involved with GO Transit and other GTA transit systems in partnership with the Province of Ontario in the development of this system. YRT/VIVA expects to implement its use in 2011. Revenue assumptions and estimated impact are outlined in the operating business plan.

2011 Capital Business Plan

York Region Transit

Major 2011 capital initiatives are:

- Enter negotiation for procurement of North garage property
- Acquire property for Southeast garage
- Conventional bus purchases (42 buses for 2011 & 2012 service expansion, 5 for 2012 replacement)
- Mobility Plus bus purchases (2 buses for service expansion, 6 for replacement)
- Continue VIVA bus refresh program
- Introduce Vehicle Health Diagnostic and Pedestrian Detection systems along with Fire Suppression system to enhance fleet reliability and customer safety
- Continue accessibility assessments for all stops, upgrade terminal lighting, and install bus shelters and public washroom at terminals
- Install a public announcement system at the Richmond Hill Centre Terminal
- Install LCD Screens at terminals for real-time information

2011 Capital Business Plan

York Region Transit

New Projects Added to the 2011 Budget Process

The following are new projects introduced as part of this budget cycle.

No.	Project Name	Need Category	Estimated Start Date	Notes
1	O&M Facility Leasehold Improvements	Service Improvement / Enhancement	2011	Improve customer reliability
2	Vehicle Diagnostic and Pedestrian Detection Systems	Service Improvement / Enhancement	2011	Reduce liability risk
3	Fire Suppression System	Service Improvement / Enhancement	2011	Reduce liability risk

O&M Facility Leasehold Improvements is the building improvements to Region leased operations and maintenance facilities. Vehicle Diagnostic and Pedestrian Detection Systems and Fire Suppression System are additional equipments installed to YRT/VIVA fleet to address vehicles and customers safety issues.

Long Term Outlook

Expenditures

There are 421 conventional buses planned to be ordered over the next 10 years as a result of projected growth and movement towards a 12 year replacement standard. The introduction of Vehicle Diagnostic and Pedestrian Detection Systems and Fire Suppression System are also planned to conform to the Fleet Safety and Maintenance Reliability Plan.

As the VIVA fleet begins to age, major replacement expenditures are planned from 2017 to 2020. In addition, extra capital funds are required in the next five years to keep the VIVA fleet in good working condition, while avoiding major refurbishments.

With the expected completion of three Region built bus maintenance and storage facilities by 2014, YRT/VIVA is planning to start a fourth in 2020.

Additional funds are required for the construction of terminals, bus shelters, and concrete bus pads for on-going asset rehabilitation and service expansion.



2011 Business Plan and Budget

Transportation Services

York Region Transit

10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Fleet Equipment	1,800	4,865	8,942	-	9,401	16,037	52,278	72,420	37,301	24,513	227,557
Infrastructure Property	373	2,135	1,685	2,348	1,390	2,365	1,073	1,040	490	498	13,395
Sub Total Rehabilitation/Replacement	2,173	7,000	10,627	2,348	10,791	18,402	53,351	73,460	37,791	25,011	240,952
Growth/Expansion											
Fleet Equipment	6,430	19,596	10,604	13,463	20,558	14,588	14,588	14,588	14,588	14,588	143,591
Infrastructure Property	29,908	26,675	48,183	23,683	700	675	683	725	675	17,758	149,663
TMS Technology	4,330	5,800	1,500	300	300	300	300	300	300	300	13,730
Sub Total Growth/Expansion	40,668	52,071	60,287	37,446	21,558	15,563	15,571	15,613	15,563	32,646	306,984
Enhancement/Improvement											
Fleet Equipment	1,230	800	2,500	1,500	1,500	-	-	-	-	-	7,530
Infrastructure Property	1,600	125	-	-	-	-	-	-	-	-	1,725
TMS Technology	1,030	1,185	1,040	895	1,050	905	910	915	920	925	9,775
Sub Total Enhancement/Improvement	3,860	2,110	3,540	2,395	2,550	905	910	915	920	925	19,030
Total Tangible Capital Assets	46,700	61,181	74,454	42,188	34,899	34,870	69,831	89,988	54,274	58,581	566,966
Non-Tangible Capital Assets											
Rehabilitation/Replacement											
Fleet Rehabilitation	1,250	2,174	1,035	510	1,120	840	570	300	-	-	7,799
Sub Total Rehabilitation/Replacement	1,250	2,174	1,035	510	1,120	840	570	300	-	-	7,799



2011 Business Plan and Budget
Transportation Services
York Region Transit

10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Total Non-Tangible Capital Assets	1,250	2,174	1,035	510	1,120	840	570	300	-	-	7,799
TOTAL GROSS EXPENDITURES	47,950	63,355	75,489	42,698	36,019	35,710	70,401	90,288	54,274	58,581	574,765
Total Rehabilitation/Replacement	3,423	9,174	11,662	2,858	11,911	19,242	53,921	73,760	37,791	25,011	248,751
Total Growth/Expansion	40,668	52,071	60,287	37,446	21,558	15,563	15,571	15,613	15,563	32,646	306,984
Total Enhancement/Improvement	3,860	2,110	3,540	2,395	2,550	905	910	915	920	925	19,030
TOTAL GROSS EXPENDITURES	47,950	63,355	75,489	42,698	36,019	35,710	70,401	90,288	54,274	58,581	574,765
FINANCING											
Reserves	-	(1,740)	(7,149)	-	-	-	-	-	-	-	(8,889)
Debtenture Proceeds	-	(20,677)	(31,036)	(7,520)	(3,761)	(8,592)	(42,371)	(61,210)	(24,341)	(10,843)	(210,350)
Development Charges	(2,340)	(3,050)	(3,583)	(2,187)	(1,283)	(924)	(924)	(926)	(924)	(1,948)	(18,089)
Grants & Subsidies	(39,410)	(30,688)	(25,621)	(23,891)	(20,975)	(15,194)	(15,207)	(15,252)	(15,209)	(30,991)	(232,437)
TOTAL FINANCING	(41,750)	(56,155)	(67,389)	(33,598)	(26,019)	(24,710)	(58,501)	(77,388)	(40,474)	(43,781)	(469,765)
TAX LEVY	(6,200)	(7,200)	(8,100)	(9,100)	(10,000)	(11,000)	(11,900)	(12,900)	(13,800)	(14,800)	(105,000)



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Net Operating Impact of New Capital Projects 2011 - 2020

	(in \$ 000's)									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Operating Costs										
Salaries and Benefits	228	228	228	228	228	228	228	228	228	228
Debt Repayment	-	271	2,799	3,995	4,043	4,589	6,137	11,838	19,232	22,181
Replacement Reserve	1,779	5,967	9,177	11,664	14,621	17,479	23,312	30,725	35,006	38,081
Contribution										
Other Costs	1,236	4,908	15,280	21,245	28,298	39,342	47,241	55,152	62,998	70,520
Total Gross Costs	3,243	11,374	27,484	37,132	47,190	61,638	76,918	97,943	117,464	131,010
Revenues										
Revenue	(4)	(778)	(3,214)	(4,586)	(6,198)	(8,905)	(10,857)	(12,809)	(14,758)	(16,683)
Total Revenues	(4)	(778)	(3,214)	(4,586)	(6,198)	(8,905)	(10,857)	(12,809)	(14,758)	(16,683)
Total Net Cost (Tax Levy)	3,239	10,596	24,270	32,546	40,992	52,733	66,061	85,134	102,706	114,327

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Pressures of Net Operating Impact of New Capital Projects

The major pressure is from the contractors' payments, which are included in other costs in the above table. Contractors' payments include conventional buses operation (\$299,000 per bus per year), Mobility Plus buses operation (\$130,000 per bus per year), and maintenance costs for facilities and Transit Management Systems projects. Revenue is derived from the sale of tickets & passes and farebox cash on conventional and Mobility Plus buses services. Debt repayment includes the interest and principal of debentures required for vehicles, garages, Presto card, and other facilities programs. Salaries and Benefits are the additional staff required for Presto which has been included in 2011 operating budget. Replacement reserve contribution includes the replacement costs of Transit tangible capital asset items.

* Note: VIVA expansion vehicles are in York Region Rapid Transit Corporation capital budget.



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
82190	Bus Terminals Loops & Stops- Replacement	373	-	-	-	-	-	373
84411	Mobility Plus Buses Replacement - 2011	1,800	-	-	-	-	-	1,800
84611	Conventional Buses Replacement- 2011/2012	-	2,765	-	-	-	-	2,765
	Sub Total Rehabilitation/Replacement	2,173	2,765	-	-	-	-	4,938
Growth/Expansion								
81582	Transit Vehicle Garage - North	(15,000)	(15,000)	25,000	8,000	-	-	3,000
81583	Transit Vehicle Garage - Southeast	25,000	-	-	-	-	-	25,000
82150	Bus Terminals Loops & Stops-Expansion	4,733	-	-	-	-	-	4,733
82170	Presto Card	4,330	-	-	-	-	-	4,330
82770	Support Vehicles	300	-	-	-	-	-	300
83570	South Services Centre Space Expansion	175	-	-	-	-	-	175
84311	Mobility Plus Buses Expansion -2011	600	-	-	-	-	-	600
84511	Conventional Buses Expansion- 2011/2012	5,530	17,696	-	-	-	-	23,226
	Sub Total Growth/Expansion	25,668	2,696	25,000	8,000	-	-	61,363



2011 Business Plan and Budget
Transportation Services
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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Enhancement/Improvement								
86101	Bus Training Simulator	250	-	-	-	-	-	250
86103	Bike Racks & Lockers	(125)	125	-	-	-	-	-
86107	Intelligent Transportation Systems (ITS) Software Systems	530	-	-	-	-	-	530
86109	Operations and Maintenance (O&M) Facility Leasehold Improvements	1,600	-	-	-	-	-	1,600
86110	Vehicle Diagnostic and Pedestrian Detection Systems	180	-	-	-	-	-	180
86111	Fire Suppression System	800	800	1,000	-	-	-	2,600
86180	Computer Aided Dispatch/Automatic Vehicle Location System	500	-	-	-	-	-	500
Sub Total Enhancement/Improvement		3,735	925	1,000	-	-	-	5,660
Total Tangible Capital Assets		31,575	6,386	26,000	8,000	-	-	71,961
Non-Tangible Capital Assets								
Rehabilitation/Replacement								
86102	Viva Buses Refresh	1,250	-	-	-	-	-	1,250
Sub Total Rehabilitation/Replacement		1,250	-	-	-	-	-	1,250
Total Non-Tangible Capital Assets		1,250	-	-	-	-	-	1,250
TOTAL GROSS EXPENDITURES		32,825	6,386	26,000	8,000	-	-	73,211



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Transportation Services
York Region Transit
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2014
			(in \$000's)		
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
Rehabilitation/Replacement					
82190	Bus Terminals Loops & Stops-Replacement	On-going YRT/VIVA facilities rehabilitation project for the replacement of old bus shelters, repairs to existing transit terminals, bus loops and stops. Additional projects identified for 2011 includes replace/upgrade terminal lighting, retrofit locking mechanism for VIVA stations and additional 175 bus stop signs & posts replacement.	5,425	5,798	373
84411	Mobility Plus Buses Replacement - 2011	Supply and delivery of Mobility Plus buses to replace retired buses in 2011. Based on Mobility Plus bus replacement schedule, 6 Mobility Plus buses to be replaced in 2011.	-	1,800	1,800
84611	Conventional Buses Replacement- 2011/2012	Supply and delivery of conventional buses to replace retired buses in 2011/2012. Based on Conventional bus replacement schedule, 5 conventional buses to be replaced in 2012.	-	2,765	2,765
Sub Total Rehabilitation/Replacement					4,938



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Transportation Services
York Region Transit
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2014
			(in \$000's)		
Growth/ Expansion					
81582	Transit Vehicle Garage - North	Land purchase and construction of Region owned bus storage and maintenance facility in Newmarket. Both land and construction costs are expected to be higher than previously estimated. \$1M increase on land value and \$2M on construction costs. Project is delay pending negotiations with GO Transit.	45,000	48,000	3,000
82150	Bus Terminals, Loops & Stops-Expansion	Installation of bus stop signs & posts, shelters & benches, concrete bus pads, and terminals expansion. Additional projects are identified to accommodate ridership growth in 2011, including construction of one bus loop; design (Bernard & Promenade) and construction (Richmond Hill Centre) of public washrooms; installation of 25 bus shelters and 100 bus stop signs & posts; and possible purchase of Finch terminal.	10,192	14,925	4,733
82170	Presto Card	Implementation of Presto technology in the Greater Toronto Area (GTA) in co-ordination with GTA transit properties. Add 2011 budget amount for the final stage of the Presto project and \$3M of adjustment (to revise the expenditures from net of subsidy to gross to reflect the reimbursement received from Metrolinx).	9,128	13,458	4,330



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2014
			(in \$000's)		
82770	Support Vehicles	Support vehicles - for YRT staff to perform inspection, fare enforcement, fare media, Transit Management Systems (TMS) and other duties. Additional 6 vehicles are required for 2011 to address operating needs as well as to reduce use of personal vehicles.	630	930	300
83570	South Services Centre Space Expansion	YRT is expanding and reconfiguring existing office space. Additional funds required for Control Centre Strategy to expand the Control Centre (5th floor of South Services Centre) to accommodate staff from 4 different contractors in one location to improve operation efficiency and customer services.	1,161	1,336	175
84311	Mobility Plus Buses Expansion -2011	2011 bus order for expanded Mobility Plus service. 2 Mobility Plus buses are required for 2011 service expansion. The bus requirement is based on the final draft of Five-Year YRT/VIVA Mobility Plus Service & Operational Plan (2011-2015).	-	600	600



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2014
			(in \$000's)		
84511	Conventional Buses Expansion-2011/2012	Order 42 conventional buses for 2011 and 2012 conventional service expansion. (2011 - 10 buses, 2012 - 32 buses) With the introduction of the TPBA approval, YRT requests approval of 2-year bus purchase to eliminate the budget pre-approval process. The bus requirement is based on the final draft of Five-Year YRT/MIVA Mobility Plus Service & Operational Plan (2011-2015).	-	23,226	23,226
Sub Total Growth/Expansion				36,364	
Enhancement/ Improvement					
86101	Bus Training Simulator	Bus driving simulator and snowplough simulator. Purchase additional snowplough software and equipment to the existing bus training software in order to maximise the use of the simulator.	1,000	1,250	250
86107	Intelligent Transportation Systems (ITS) Software Systems	Various ITS software systems within YRT. Information technology initiative for transit operation to improve productivity and customer services. Additional funds required for Fleet Management software, data warehouse and Business Intelligence.	1,330	1,860	530



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New TPBA 2011-2014
			Approved TPBA	Approved TPBA	
			(in \$000's)		
86180	Computer Aided Dispatch/Automatic Vehicle Location System	Computer Aided dispatch and Automatic Vehicle Location System for Conventional and Mobility Plus buses. Additional funds required to convert Variable Message Sign (VMS) information into audible announcements which includes audible "Next Bus" announcements at VIVA Stations/Terminals and pre-boarding route/destination announcements on external bus speakers.	9,510	10,010	500
Sub Total Enhancement/Improvement					1,280
Total Tangible Capital Assets					42,581
Non-Tangible Capital Assets					
Rehabilitation/Replacement					
86102	Viva Buses Refresh	25 VIVA buses cosmetic refurbish scheduled in 2011 to maintain good condition and bus reliability for balance of vehicle life.	353	1,603	1,250
Sub Total Rehabilitation/Replacement					1,250
Total Non-Tangible Capital Assets					1,250
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA					43,831



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2014
(in \$000's)					
New Projects Introduced to 2011 TPBA					
Tangible Capital Assets					
Growth/ Expansion					
81583	Transit Vehicle Garage - Southeast	Land purchase and construction of Region owned bus storage and maintenance facility in Southeast of York Region. Land purchase and construction of Southeast bus storage and maintenance facilities based on facilities strategy proposed and approved by Regional Council in January of 2006. Project to be started in 2011.	-	25,000	25,000
Sub Total Growth/Expansion					25,000
Enhancement/Improvement					
86109	Operations and Maintenance (O&M) Facility Leasehold Improvements	Building improvements to Region leased O&M facilities. Building improvements are needed for Miller & Veolia O&M facilities to provide expanded facilities for bus storage and operation due to fleet expansion.	-	1,600	1,600



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2014
			(in \$000's)		
86110	Vehicle Diagnostic and Pedestrian Detection Systems	A new program to address vehicles and customers safety issues. Vehicle Diagnostic System: Vehicle equipment monitors critical mechanical components on a bus to proactively detect failures. Pedestrian Detection System: A safety device that warns pedestrians of a bus in a turning movement.	-	180	180
86111	Fire Suppression System	Installation of a fire suppression system in engine compartment of conventional buses. The installation of a fire suppression system increases safety by either extinguishing a fire or increasing time to evacuate a bus.	-	2,600	2,600
Sub Total Enhancement/Improvement					4,380
Total Tangible Capital Assets					4,380
TOTAL NEW PROJECTS INTRODUCED TO 2011 TPBA					29,380
TOTAL GROSS EXPENDITURES					73,211

2011 Business Plan and Budget



Transportation Services
York Region Transit

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	*Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
81582	Transit Vehicle Garage - North	3,000	-	-	2,820	180	-	-	-
81583	Transit Vehicle Garage - Southeast	25,000	-	-	-	1,500	23,500	-	-
82150	Bus Terminals Loops & Stops-Expansion	4,733	-	-	-	237	4,496	-	-
82170	Presto Card	4,330	-	-	-	217	4,113	-	-
82190	Bus Terminals Loops & Stops-Replacement	373	373	-	-	-	-	-	-
82770	Support Vehicles	300	282	-	-	18	-	-	-
83570	South Services Centre Space Expansion	175	175	-	-	-	-	-	-
84311	Mobility Plus Buses Expansion -2011	600	-	-	-	36	564	-	-
84411	Mobility Plus Buses Replacement - 2011	1,800	1,208	-	-	-	593	-	-
84511	Conventional Buses Expansion-2011/2012	23,226	-	-	-	1,394	21,832	-	-
84611	Conventional Buses Replacement-2011/2012	2,765	105	1,740	-	-	920	-	-
86101	Bus Training Simulator	250	250	-	-	-	-	-	-
86102	Viva Buses Refresh	1,250	833	-	-	-	417	-	-
86107	Intelligent Transportation Systems (ITS) Software Systems	530	-	-	-	-	530	-	-
86109	Operations and Maintenance (O&M) Facility Leasehold Improvements	1,600	1,600	-	-	-	-	-	-

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Transportation Services
York Region Transit

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	*Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
86110	Vehicle Diagnostic and Pedestrian Detection Systems	180	180	-	-	-	-	-	-
86111	Fire Suppression System	2,600	2,600	-	-	-	-	-	-
86180	Computer Aided Dispatch/Automatic Vehicle Location System	500	500	-	-	-	-	-	-
Total Tax Supported		73,211	8,105	1,740	2,820	3,582	56,964	-	-
TOTAL FINANCING SOURCES		73,211	8,105	1,740	2,820	3,582	56,964	-	-

* Grants & Subsidies include Federal Gas Tax



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Transportation Services
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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Rehabilitation/Replacement															
82190	Bus Terminals Loops & Stops-Replacement	4,285	1,140	373	2,135	1,685	2,348	1,390	2,365	1,073	1,040	490	498	-	18,820
84411	Mobility Plus Buses Replacement - 2011	-	-	1,800	-	-	-	-	-	-	-	-	-	-	1,800
84499	Mobility Plus Buses Replacement - Future Years	-	-	-	2,100	1,200	-	-	-	-	-	2,400	3,900	-	9,600
84611	Conventional Buses Replacement-2011/2012	-	-	-	2,765	-	-	-	-	-	-	-	-	-	2,765
84699	Conventional Buses Replacement - Future Years	-	-	-	-	7,742	-	9,401	16,037	14,028	21,420	9,401	14,238	-	92,267
84899	Viva Buses Replacement - Future Years	-	-	-	-	-	-	-	-	38,250	51,000	25,500	6,375	-	121,125
	Sub Total Rehabilitation/Replacement	4,285	1,140	2,173	7,000	10,627	2,348	10,791	18,402	53,351	73,460	37,791	25,011	-	246,377
Growth/Expansion															
81582	Transit Vehicle Garage - North	15,000	-	-	-	25,000	8,000	-	-	-	-	-	-	-	48,000
81583	Transit Vehicle Garage - Southeast	-	-	25,000	25,000	21,250	10,000	-	-	-	-	-	-	-	81,250
81584	Transit Vehicle Garages #4	-	-	-	-	-	-	-	-	-	-	-	17,000	-	17,000
82150	Bus Terminals Loops & Stops-Expansion	7,542	2,650	4,733	1,675	1,933	5,683	700	675	683	725	675	758	-	28,430
82170	Presto Card	4,428	4,700	4,330	5,800	1,500	300	300	300	300	300	300	300	-	22,858
82770	Support Vehicles	590	40	300	100	50	50	50	50	50	50	50	50	-	1,430
83570	South Services Centre Space Expansion	961	200	175	-	-	-	-	-	-	-	-	-	-	1,336
84311	Mobility Plus Buses Expansion -2011	-	-	600	-	-	-	-	-	-	-	-	-	-	600
84399	Mobility Plus Buses Expansion - Future Years	-	-	-	1,800	600	1,800	600	300	300	300	300	300	-	6,300



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
				(in \$000's)											
84511	Conventional Buses Expansion-2011/2012	-	-	5,530	17,696	-	-	-	-	-	-	-	-	-	23,226
84599	Conventional Buses Expansion -Future Years	-	-	-	-	9,954	11,613	19,908	14,238	14,238	14,238	14,238	14,238	-	112,665
Sub Total Growth/Expansion		28,521	7,590	40,668	52,071	60,287	37,446	21,558	15,563	15,571	15,613	15,563	32,646	-	343,095
Enhancement/Improvement															
83980	Security Equipment	4,745	200	-	150	150	150	150	150	150	150	150	150	-	6,295
86101	Bus Training Simulator	1,000	-	250	-	-	-	-	-	-	-	-	-	-	1,250
86103	Bike Racks & Lockers	70	50	-	125	-	-	-	-	-	-	-	-	-	245
86107	Intelligent Transportation Systems (ITS) Software Systems	-	1,330	530	535	690	545	700	555	560	565	570	575	-	7,155
86109	Operations and Maintenance (O&M) Facility Leasehold Improvements	-	-	1,600	-	-	-	-	-	-	-	-	-	-	1,600
86110	Vehicle Diagnostic and Pedestrian Detection Systems	-	-	180	-	1,500	1,500	1,500	-	-	-	-	-	-	4,680
86111	Fire Suppression System	-	-	800	800	1,000	-	-	-	-	-	-	-	-	2,600
86180	Computer Aided Dispatch/Automatic Vehicle Location System	9,510	-	500	500	200	200	200	200	200	200	200	200	-	12,110
Sub Total Enhancement/Improvement		15,325	1,580	3,860	2,110	3,540	2,395	2,550	905	910	915	920	925	-	35,935
Total Tangible Capital Assets		48,131	10,310	46,700	61,181	74,454	42,188	34,899	34,870	69,831	89,988	54,274	58,581	-	625,407
Non-Tangible Capital Assets															
Rehabilitation/Replacement															
82780	Bus Repainting	1,539	-	-	214	-	-	-	-	-	-	-	-	-	1,753
86102	Viva Buses Refresh	320	33	1,250	1,150	900	-	550	-	-	-	-	-	-	4,203
86108	Conventional Buses Refresh	-	525	-	810	135	510	570	840	570	300	-	-	-	4,260
Sub Total Rehabilitation/Replacement		1,859	558	1,250	2,174	1,035	510	1,120	840	570	300	-	-	-	10,216



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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
	Total Non-Tangible Capital Assets	1,859	558	1,250	2,174	1,035	510	1,120	840	570	300	-	-	-	10,216
	TOTAL GROSS EXPENDITURES	49,990	10,868	47,950	63,355	75,489	42,698	36,019	35,710	70,401	90,288	54,274	58,581	-	635,623
	FINANCING SOURCES														
	Regional Sources														
	Development Charges	2,189	370	2,340	3,050	3,583	2,187	1,283	924	924	926	924	1,948	-	20,648
	Development Charges Committed	371	-	-	-	-	-	-	-	-	-	-	-	-	371
	Reserve: Current Tax Levy	10,535	3,369	6,200	7,200	8,100	9,100	10,000	11,000	11,900	12,900	13,800	14,800	-	118,904
	Reserve: General Capital	-	-	-	1,740	7,149	-	-	-	-	-	-	-	-	8,889
	Reserve: Prior Year Tax Levy	3,580	-	-	-	-	-	-	-	-	-	-	-	-	3,580
	Sub Total Regional Sources	16,675	3,739	8,540	11,990	18,832	11,287	11,283	11,924	12,824	13,826	14,724	16,748	-	152,392
	External Sources														
	Federal Funding	1,103	-	-	-	-	-	-	-	-	-	-	-	-	1,103
	Provincial Funding	70	236	1,010	2,438	-	-	-	-	-	-	-	-	-	3,754
	Reserve: Federal Gas Tax	3,141	6,893	38,401	28,250	25,621	23,891	20,975	15,194	15,207	15,252	15,209	30,991	-	239,024
	Reserve: Provincial Gas Tax	933	-	-	-	-	-	-	-	-	-	-	-	-	933
	Sub Total External Sources	5,247	7,129	39,410	30,688	25,621	23,891	20,975	15,194	15,207	15,252	15,209	30,991	-	244,813
	TOTAL AVAILABLE FINANCING	21,922	10,868	47,950	42,678	44,453	35,178	32,258	27,118	28,031	29,078	29,933	47,739	-	397,205
	TOTAL DEBENTURE REQUIREMENTS	28,069	-	-	20,677	31,036	7,520	3,761	8,592	42,371	61,210	24,341	10,843	-	238,418
	TOTAL FINANCING SOURCES	49,990	10,868	47,950	63,355	75,489	42,698	36,019	35,710	70,401	90,288	54,274	58,581	-	635,623



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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)							Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017			2018	2019
DEBENTURE REPAYMENT SOURCES														
	Prior Years	6,525	-	-	-	-	-	-	-	-	-	-	-	6,525
	Tax Levy	21,543	-	-	7,520	31,036	3,761	8,592	42,371	61,210	24,341	10,843	-	231,893
TOTAL DEBENTURE REQUIREMENTS		28,069	-	-	7,520	31,036	3,761	8,592	42,371	61,210	24,341	10,843	-	238,418

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
81582	Transit Vehicle Garage - North	33,000	-	-	31,020	1,980	-	-	-
81583	Transit Vehicle Garage - Southeast	81,250	3,848	-	17,851	4,875	54,677	-	-
81584	Transit Vehicle Garages #4	17,000	-	-	-	1,020	15,980	-	-
82150	Bus Terminals Loops & Stops-Expansion	18,238	-	-	3,427	913	13,898	-	-
82170	Presto Card	13,730	-	-	6,935	687	6,108	-	-
82190	Bus Terminals Loops & Stops-Replacement	13,395	13,395	-	-	-	-	-	-
82770	Support Vehicles	800	423	-	-	48	329	-	-
82780	Bus Repainting	214	143	-	-	-	71	-	-
83570	South Services Centre Space Expansion	175	175	-	-	-	-	-	-
83980	Security Equipment	1,350	1,350	-	-	-	-	-	-
84311	Mobility Plus Buses Expansion -2011	600	-	-	-	36	564	-	-
84399	Mobility Plus Buses Expansion - Future Years	6,300	282	-	-	378	5,640	-	-
84411	Mobility Plus Buses Replacement - 2011	1,800	1,208	-	-	-	593	-	-
84499	Mobility Plus Buses Replacement - Future Years	9,600	8,900	-	-	-	700	-	-
84511	Conventional Buses Expansion-2011/2012	23,226	-	-	-	1,394	21,832	-	-
84599	Conventional Buses Expansion -Future Years	112,665	-	-	-	6,758	105,907	-	-
84611	Conventional Buses Replacement-2011/2012	2,765	105	1,740	-	-	920	-	-

2011 Business Plan and Budget

Transportation Services

York Region Transit



10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
84699	Conventional Buses Replacement - Future Years	92,267	53,967	7,149	31,151	-	-	-	-
84899	Viva Buses Replacement - Future Years	121,125	1,159	-	119,966	-	-	-	-
86101	Bus Training Simulator	250	250	-	-	-	-	-	-
86102	Viva Buses Refresh	3,850	3,050	-	-	-	800	-	-
86103	Bike Racks & Lockers	125	31	-	-	-	94	-	-
86107	Intelligent Transportation Systems (ITS) Software Systems	5,825	1,770	-	-	-	4,055	-	-
86108	Conventional Buses Refresh	3,735	3,465	-	-	-	270	-	-
86109	Operations and Maintenance (O&M) Facility Leasehold Improvements	1,600	1,600	-	-	-	-	-	-
86110	Vehicle Diagnostic and Pedestrian Detection Systems	4,680	4,680	-	-	-	-	-	-
86111	Fire Suppression System	2,600	2,600	-	-	-	-	-	-
86180	Computer Aided Dispatch/Automatic Vehicle Location System	2,600	2,600	-	-	-	-	-	-
Total Tax Supported		574,765	105,000	8,889	210,350	18,089	232,437	-	-

TOTAL FINANCING SOURCES	574,765	105,000	8,889	210,350	18,089	232,437	-	-
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2011 Capital Business Plan

York Region Rapid Transit Corporation

Capital Strategy (10 Year Plan)

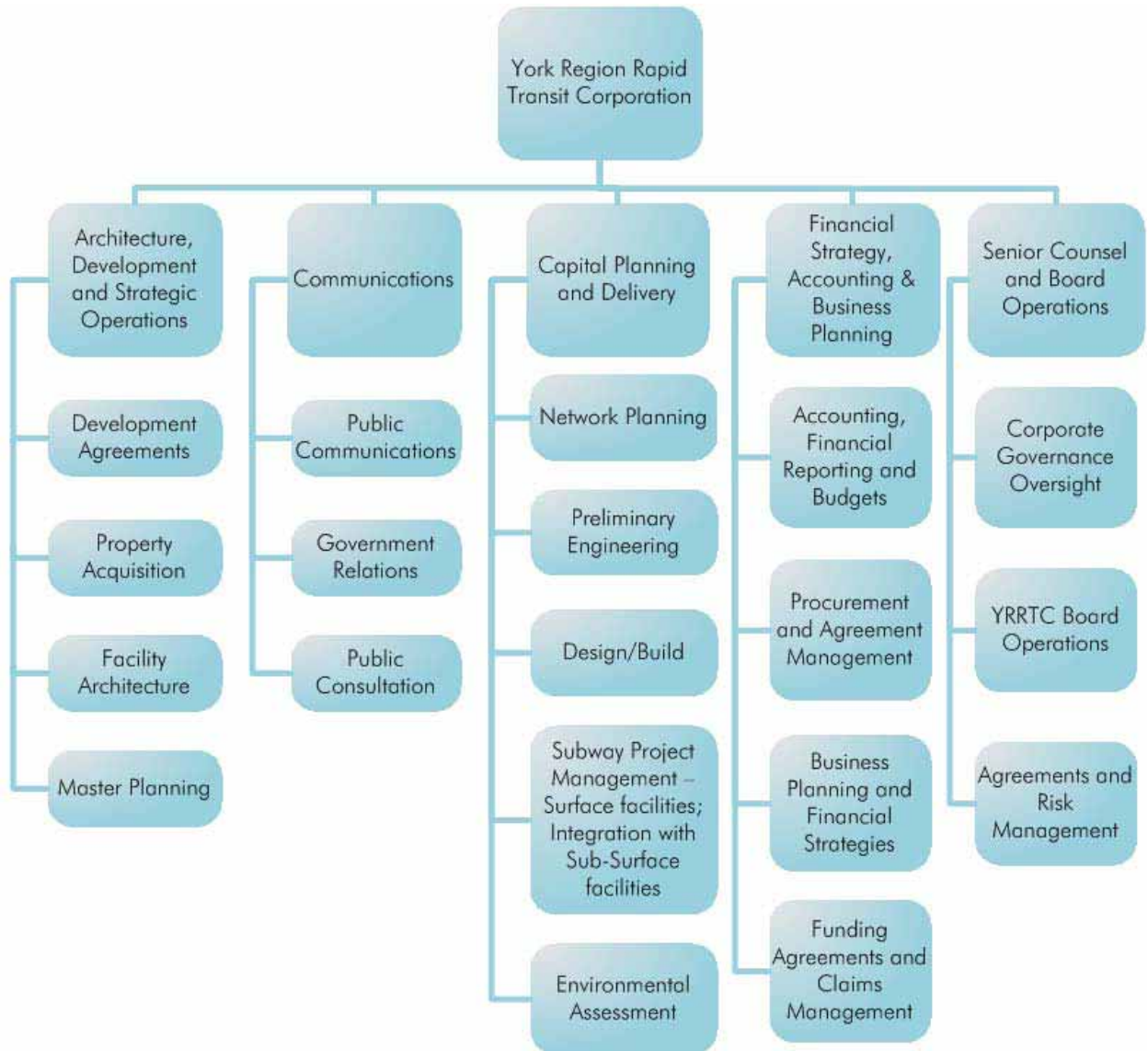
The York Region Rapid Transit Corporation is in a unique position to deliver a world-class Rapid Transit system that will provide:

- Safer and faster movement of people through the implementation of dedicated rapidways that are expected to reduce transit travel times during peak periods by up to 40% along the most congested sections of the corridors;
- Safer and faster movement of goods along the Region's major land transportation routes resulting from a decrease in the rate of automobile congestion;
- Reduced production of greenhouse gases and other airborne pollutants as the result of a reduction in automobile transportation mode share and the number of vehicles idling on congested roads and highways during peak travel periods;
- Effective, mixed-use urban development to accommodate rapidly growing population and employment in sustainable transit villages with increased land use densities;
- Enhanced economic activity with improved inter-regional transit connections that support increasingly balanced two-way travel patterns to and from York Region for residents, employees and tourists; and
- Leading-edge technologies and operational practices to enhance customer service and minimize greenhouse gas emissions.

To accomplish our mission to deliver this exceptional rapid transit system that moves people quickly, connects communities and shapes our living environment, we are structured along the streams of Architecture, Communications, Capital Planning and Delivery, Finance, and Legal Services as elaborated in the following chart.

2011 Capital Business Plan

York Region Rapid Transit Corporation



York Region Rapid Transit Corporation (YRRTC) has partnered with York Consortium 2002 to design and deliver the Bus Rapid Transit Plan and use the services of an Owner’s Engineer to assist staff with program management and due diligence.

Not all elements of the program are designed and delivered by York Consortium 2002. The Spadina Subway Extension, for example, is being constructed by the Toronto Transit Commission. YRRTC is project managing the surface facilities related to the subway that are located in York Region.

The form of partnership or procurement, for any given project, is heavily influenced by the requirements of senior government funding partners.

YRRTC’s strategy is to always “be ready”. Since the program is reliant on funding from senior levels of government, it is necessary for project design to be advanced to the point where

2011 Capital Business Plan

York Region Rapid Transit Corporation

budgets and schedules are established to move quickly to construction. These elements are essential to increasing the likelihood of priority funding.

YRRTC's strategy is also to optimize the network and increase ridership. The park and ride strategy implementation contemplated to commence in 2011 is an example an approach to reduce congestion at key transit transfer points and to attract more riders.

Key Initiatives (10 Year Plan)

The ten year capital plan consists of all studies, engineering design and construction necessary to deliver the Bus Rapid Transit plan, required terminals and bus operations facilities, subway extensions, and parking solutions that maximize the effectiveness of the transit system and the return on investment.

The projects represented in the ten year capital plan for Regional Council approval are those that are funded in part, by senior levels of government or wholly by York Region. This Capital Plan does not include fully funded Metrolinx Rapid Transit projects.

In addition to the capital projects in the ten year capital plan are projects that are fully funded by senior levels of government and that are administered through a Master Agreement and Memorandum of Agreement with Metrolinx. While these projects do not require Regional funding, they will result in increased operating costs once they have been constructed. These projects are categorized under the heading of "Fully Funded by Senior Levels of Government Projects" where applicable.

Strategic Goals - 2011- 2014

Projects - Partially Funded by Senior Levels of Government or by the Region

- Finalize business arrangements with land owners at Steeles West Station (Spadina Subway Extension); the Richmond Hill Anchor Hub; and the Unionville Mobility Hub where appropriate
- Facilitate and participate in progressing Mobility Hubs
- Implement business and governance model for parking operations and commence implementation of the parking strategy
- Complete study to confirm rapid transit corridors prioritization of the 2010 Transportation Master Plan
- Develop in conjunction with YRT, the transition to a new operating agreement and concession arrangement (if any) for vivaNext service, pre- and post-2015
- Advance funding support for the Yonge Subway extension and maintain project momentum by progressing concept level design and preliminary engineering activities
- Continue to advance communications/outreach programs to support the business objectives and public/stakeholder information needs before and during construction

2011 Capital Business Plan

York Region Rapid Transit Corporation

- Ensure that necessary infrastructure adjacent to or associated with the Spadina Subway extension is constructed and appropriately funded

Projects - Fully Funded by Senior Levels of Government

- Complete rapidway construction on Davis Drive; Highway 7 from Richmond Hill Centre to Warden
- Commence rapidway construction on Yonge Street from Richmond Hill Centre to Major Mackenzie and Highway 7 - Vaughan Metropolitan Centre
- Complete all property acquisition required for the remaining rapidway segments - Highway 7, west of Richmond Hill Centre to Pine Valley Drive; Yonge Street, from Richmond Hill Centre to 19th Avenue, and south of Mulock Drive to Davis Drive

New Initiatives in 2011

The capital costs in our ten year capital plan, inclusive of fully funded project by senior levels of government, contain program management allocated costs related to direct services provided by York Region as well as initiatives that improve the efficiency and effectiveness of communications and program management.

The new initiatives being brought forward in 2011 are:

- Implementation of a Customer Relationship Management application to manage all communications and discussions with property owners, tenants and constituents.
- Office Hoteling software to maximize use of office space and minimize requirement for additional space.

2011 Capital Business Plan

York Region Rapid Transit Corporation

New Projects Added to the 2011 Budget Process

There have been five key projects added to the ten year capital plan:

- Transportation Master Plan Network Configuration Study - 2011 and 2012
- Confirmation of Bus Rapid Transit alignment along Bathurst Street or Dufferin Street
- Park and Ride Strategy Implementation, including the acquisition of land or land owner agreements and the construction of parking spaces - 2011 through 2017
- Construction of Vaughan Metropolitan Centre viva-subway Interface - 2012 to 2015
- Off-Street Bus Terminal at VMC for Spadina Subway.

2011 Capital Business Plan

York Region Rapid Transit Corporation

Overview of Projects that are Fully Funded by Senior Levels of Government and are not part of the Ten Year Capital Plan

Viva Phase 1 was completed in 2005 and consists of rapid transit runs today in mixed traffic in four key corridors. VivaNext, the next phase of the project, includes the construction of 67 kilometres of surface rapid transit in these same corridors, integrated with the extension of the Yonge Street and Spadina subway lines north to the Richmond Hill Centre and Vaughan Corporate Centre, respectively.

The elements of vivaNext that relate to bus rapid transit, are fully funded by the Province through Metrolinx in the amount of \$2.0 billion: \$105.6 million Quickwins; \$1.4 billion MoveOntario 2020 (escalated to \$1.83 billion with 5 in 10 announcement); and \$85 million provincial-share of a \$255 million FLOW program.

These projects are being implemented and administered through Metrolinx and YRRTC and are summarized below:

Project	Total Cost
Preliminary Engineering for Bus Rapidways	\$39.3 million - QuickWins
Bus Rapid Transit Vehicles	\$13.7 million - QuickWins
Land requirements for segments listed below as well as for the OMSF facility and Cornell Terminal	\$22.3 million - QuickWins \$131.8 million - \$1.4 billion
Construction of Bus Rapidways and Canopies along Highway 7 from Pine Valley Drive to Kennedy Road; along Yonge Street from Richmond Hill Centre to 19th Avenue and from Mulock Avenue to Davis Drive; and along Davis Drive in Newmarket. Additional stops to Cornell	\$27.5 million - QuickWins \$1,700.3 million - \$1.4 billion (dollars have been escalated due to timing) \$85 million - Provincial FLOW
Total	\$2,019.9 million

2011 Capital Business Plan

York Region Rapid Transit Corporation

Long Term Outlook (10 Year Plan)

Expenditures

Capital expenditures decline over the next ten years for projects that are fully or partially funded by the Region. Approximately 87% of total forecasted expenditures will occur by 2014. The primary reason for this is that the Spadina Subway will be in revenue service by the end of 2015, with the bulk of capital expenditures occurring before that time. As well, projects funded under the Federal FLOW program, namely the Operations, Maintenance and Storage Facility, Cornell Terminal, and 43 articulated buses, must be procured or completed by December 2014 to meet funding guidelines.

The operating impact of the trend in expenditures is that debt repayments and interest will start to show up in the operating budget sooner rather than later.

Costs associated with the implementation of the Transportation Master Plan have not been included in the forecast as a funding source has not been identified. The commencement of Environmental Assessments for priority segments will start to populate the ten year forecast once the Network Prioritization Study being initiated in 2011 is completed.

Similarly, design-build costs for the Yonge Subway Extension are not in the ten year capital plan. Once funding by senior levels of government has been announced, the project will be added to the ten year plan.



2011 Business Plan and Budget
York Region Rapid Transit Corporation
Rapid Transit
10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Growth/Expansion											
BRT Vehicles	-	-	-	15,620	-	7,682	17,822	19,220	18,361	11,648	90,353
Light Rail Transit	-	518	-	-	-	-	-	-	-	-	518
Subways and Stations	277,268	322,390	196,481	122,596	147,674	-	-	-	-	-	1,066,410
Vehicles	7,131	5,170	7,346	11,010	-	-	-	-	-	-	30,657
VIVA Roadways/Que Jumps/Intermodals	17,610	62,015	43,741	15,805	6,776	1,988	759	-	-	-	148,694
Sub Total Growth/Expansion	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	1,336,632
Total Tangible Capital Assets	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	1,336,632
TOTAL GROSS EXPENDITURES	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	1,336,632
Total Growth/Expansion	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	1,336,632
TOTAL GROSS EXPENDITURES	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	1,336,632



2011 Business Plan and Budget
York Region Rapid Transit Corporation
Rapid Transit
10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
FINANCING											
Reserves	(1,365)	(688)	-	-	-	-	-	-	-	-	(2,054)
Debtenture Proceeds	(63,417)	(125,166)	(81,599)	(64,811)	(54,689)	(9,286)	(17,689)	(18,259)	(17,443)	(11,065)	(463,424)
Development Charges	(53,329)	(23,116)	(15,969)	(11,433)	(7,965)	(384)	(891)	(961)	(918)	(582)	(115,548)
Grants & Subsidies	(183,897)	(241,123)	(150,002)	(88,788)	(91,796)	-	-	-	-	-	(755,606)
Other Recoveries	-	-	-	-	-	-	-	-	-	-	-
TOTAL FINANCING	(302,009)	(390,094)	(247,569)	(165,031)	(154,450)	(9,670)	(18,581)	(19,220)	(18,361)	(11,648)	(1,336,632)
TAX LEVY	-	-	-	-	-	-	-	-	-	-	-



2011 Business Plan and Budget
York Region Rapid Transit Corporation
Rapid Transit

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Debt Repayment	183	1,996	3,784	4,078	6,687	6,780	7,843	10,037	12,373	14,530
Repairs and Maintenance	95	98	101	1,214	1,807	2,782	3,300	3,634	5,304	5,463
Contract/Program Costs	1,031	2,038	6,471	6,665	6,865	7,071	7,283	7,502	7,727	7,959
Total Gross Costs	1,309	4,131	10,356	11,958	15,359	16,633	18,427	21,173	25,404	27,951
Total Net Cost (Tax Levy)	1,309	4,131	10,356	11,958	15,359	16,633	18,427	21,173	25,404	27,951

2011 Capital Business Plan

York Region Rapid Transit Corporation

Pressures of Net Operating Impact of New Capital Projects

Three operating activities are impacted by the capital program: Debt Repayment; Repairs and Maintenance; and Contract/Program Costs. While debt repayment will occur over 10 to 20 years and then stop, repair, maintenance, contract and program costs will continue to increase in proportion to the scale of infrastructure.

Over the ten year planning period, the annual sum of these costs rises from \$1.3 million to approximately \$30 million.

In 2011, debt repayment costs represent 14% of total operating costs while in 2020, they will represent 52%. Because of the scale of debt repayment by 2020, contract and program costs will go from 78% in 2011 to 28% of total annual operating costs by 2020 while repair and maintenance costs will increase from 7% of total operating costs in 2011 to 20% in 2020.

It should be noted that fully-funded capital projects, as identified in the map in the appendix, are administered through YRRTC, on behalf of York Region, and Metrolinx. While the cost of the capital is borne by Metrolinx and is not included in the 2011 capital budget or ten-year capital plan, there is an impact to the Region related to the operating impacts. These operating impacts have been reflected in the discussion above.

2011 Capital Business Plan

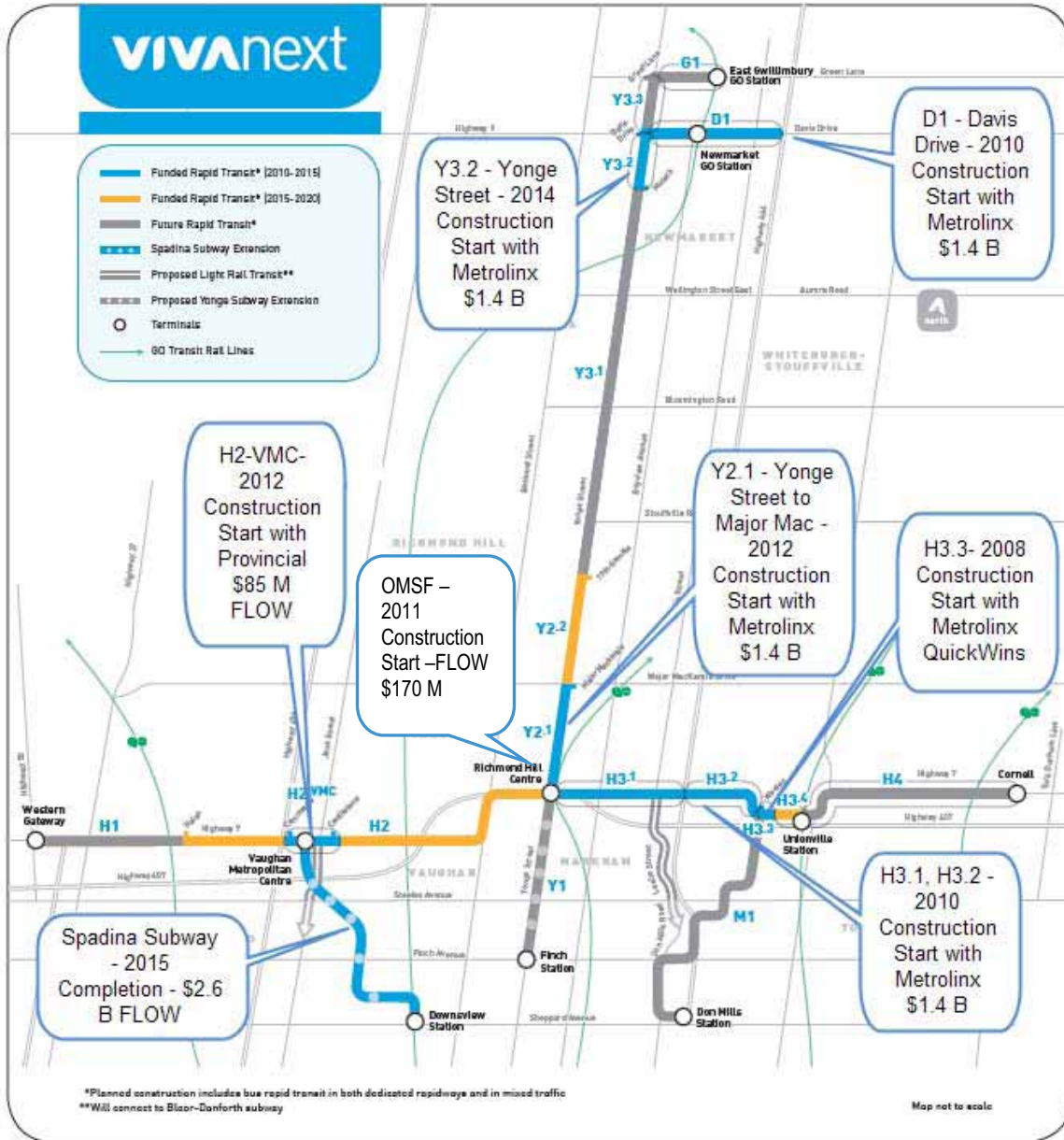
York Region Rapid Transit Corporation

Appendix – Funded Rapidway and Subway Program

While the projects represented on the map are primarily fully funded by senior levels of government and are not part of the 2011 budget or ten year capital plan (save for Spadina Subway Extension), they do represent the bulk of construction in York Region over the next five years.

2011 Capital Business Plan

York Region Rapid Transit Corporation



Segment or Facility/Asset	Description
H1	Highway 7 - from Highway 50 to Pine Valley Drive in Vaughan
H2	Highway 7 - from Pine Valley Drive to Richmond Hill Centre
H3	Highway 7 – from Richmond Hill Centre to Kennedy Road/Enterprise Drive. It will be constructed in 4 segments: H3.1 – Highway 7 from the Richmond Hill Centre to the 404; H3.2 – Highway 7 from the 404 to Warden south of Cedarland; H3.3 – Warden South of Cedarland to Enterprise Drive up to

2011 Capital Business Plan

York Region Rapid Transit Corporation

Segment or Facility/Asset	Description
	Birchmount (This project is also referred to as Enterprise – Markham Civic Mall); and H3.4 – Enterprise Drive from Birchmount to the GO Station on Kennedy.
H4	Highway 7 – from Kennedy Road/Enterprise Drive to Cornell Terminal
Cornell Terminal	The eastern gateway of the network’s primary east-west corridor facilitates intermodal transit connections with Durham Region and the City of Toronto
Y1	Yonge Street – from Steeles Avenue to Richmond Hill Centre Terminal.
Y2	Yonge Street – from Richmond Hill Centre Terminal to 19 th Avenue
Y3	Yonge Street - from 19 th Avenue in Richmond Hill, to Green Lane in Newmarket. This segment will be constructed in three separate phases: Y3.1 – Yonge Street from 19 th Avenue to Mulock Drive; Y3.2 – Yonge Street from Mulock Drive to Davis Drive; and, Y3.3 – Yonge Street from Davis Drive to Green Lane. The Y3.2 section will be advanced first, along with D1 below.
D1	Davis Drive - from Yonge Street to Highway 404
G1	Green Lane - from Yonge Street to the Green Lane GO Transit terminal
OMSF	An operations, maintenance and storage facility will be located in the southern area of York Region.



2011 Business Plan and Budget
 York Region Rapid Transit Corporation
 Rapid Transit
 2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Growth/Expansion								
90992	Bus Rapid Transit (BRT) Facilities and Terminals	(42,480)	3,539	35,837	3,104	-	-	-
90993	Bus Rapid Transit (BRT) Vehicles - Partially or Fully Funded	1,375	790	(8,317)	9,479	-	-	3,326
90994	Bus Rapid Transit (BRT) - Unfunded	165	170	-	-	-	-	335
90996	Spadina Subway Extension	137,654	103,461	(65,097)	(126,995)	(5,883)	(42,624)	517
90997	Yonge Subway Extension	27,840	30,933	15,466	-	-	-	74,239
90999	Capacity Upgrades Special Studies and Strategy Implementation	1,365	4,297	7,904	12,701	6,776	2,747	35,789
Sub Total Growth/Expansion		125,919	143,189	(14,207)	(101,711)	893	(39,877)	114,206
Total Tangible Capital Assets		125,919	143,189	(14,207)	(101,711)	893	(39,877)	114,206
TOTAL GROSS EXPENDITURES		125,919	143,189	(14,207)	(101,711)	893	(39,877)	114,206



2011 Business Planning and Budgets
York Region Rapid Transit Corporation
Rapid Transit
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2017
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
Growth/ Expansion					
90993	Bus Rapid Transit (BRT) Vehicles - Partially or Fully Funded	Increased the quantity of buses under this category to maximize available funding under FLOW. The Federal government will contribute 50% of \$44.2 million.	40,009	43,335	3,326
90994	Bus Rapid Transit (BRT) - Unfunded	In 2010, our TPBA was for an EA on Jane Street. That project will proceed at a future date. The 2011 TPBA is for a study to be undertaken in 2011 and 2012 to determine the alignment of the BRT network along Dufferin or along Bathurst. This is a new study that was not identified in the 2010 capital budget.	740	1,075	335
90996	Spadina Subway Extension	The Spadina Subway project budget includes an increase of \$1.3 million for the preliminary engineering of a subsurface interface between the viva platform at Vaughan Metropolitan Centre and subway entrance. This budget amount was approved in September 2010.	1,085,487	1,086,004	517
90997	Yonge Subway Extension	Preliminary Engineering for the Yonge Subway in 2011 through to 2013. Assumes York Region's share is 75% of cost and that 50% will be recovered from Metrolinx.	3,360	77,599	74,239
Sub Total Growth/Expansion					78,417
Total Tangible Capital Assets					78,417



2011 Business Planning and Budgets
York Region Rapid Transit Corporation
Rapid Transit
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010		2011	New
			Approved TPBA	Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2017
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA						
<u>New Projects Introduced to 2011 TPBA</u>						
Tangible Capital Assets						
Growth/ Expansion						
90999	Capacity Upgrades Special Studies and Strategy Implementation	A number of new initiatives: Transportation Master Plan Network Configuration Study - 2011 and 2012 Park and Ride Strategy Implementation, including the acquisition of land or land owner agreements and the construction of parking spaces - 2011 through 2017 Construction of Vaughan Metropolitan Centre (VMC) viva- subway Interface - 2012 to 2015 Off-Street Bus Terminal at VMC for Spadina Subway.	-	-	838 10,952 18,000 6,000 35,789	838 10,952 18,000 6,000 35,789 35,789
Sub Total 90999						35,789
Sub Total Growth/Expansion						35,789
Total Tangible Capital Assets						35,789
TOTAL NEW PROJECTS INTRODUCED TO 2011 TPBA						35,789
TOTAL GROSS EXPENDITURES						114,206

2011 Business Plan and Budget

York Region Rapid Transit Corporation
Rapid Transit



2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
90992	Bus Rapid Transit (BRT) Facilities and Terminals	-	-	-	(12,247)	12,700	(453)	-	-
90993	Bus Rapid Transit (BRT) Vehicles - Partially or Fully Funded	3,326	-	-	(1,402)	3,066	1,663	-	-
90994	Bus Rapid Transit (BRT)- Unfunded	335	-	335	-	-	-	-	-
90996	Spadina Subway Extension	517	-	-	(94,338)	94,511	343	-	-
90997	Yonge Subway Extension	74,239	-	-	37,119	-	37,119	-	-
90999	Capacity Upgrades Special Studies and Strategy Implementation	35,789	-	-	35,036	754	-	-	-
Total Tax Supported		114,206	-	335	(35,832)	111,030	38,673	-	-

TOTAL FINANCING SOURCES		114,206	-	335	(35,832)	111,030	38,673	-	-
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2011 Business Plan and Budget
York Region Rapid Transit Corporation
Rapid Transit
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
															(in \$000's)
GROSS EXPENDITURES															
Tangible Capital Assets															
Growth/Expansion															
90991	Bus Rapid Transit - Funded	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90992	Bus Rapid Transit (BRT) Facilities and Terminals	13,632	-	16,079	57,549	35,837	3,104	-	-	-	-	-	-	-	126,201
90993	Bus Rapid Transit (BRT) Vehicles - Partially or Fully Funded	1,169	11,509	7,131	5,170	7,346	11,010	-	-	-	-	-	-	-	43,335
90994	Bus Rapid Transit - Unfunded	-	740	165	170	-	-	-	-	-	-	-	-	-	1,075
90995	Light Rail Transit (LRT) (including Conversion Bus Rapid Transit to LRT)	595	141	-	518	-	-	-	-	-	-	-	-	-	1,254
90996	Spadina Subway Extension	90,248	3,584	249,429	291,457	181,015	122,596	147,674	-	-	-	-	-	-	1,086,004
90997	Yonge Subway Extension	3,240	120	27,840	30,933	15,466	-	-	-	-	-	-	-	-	77,599
90998	Bus Rapid Transit (BRT) Vehicles - Unfunded	-	-	-	-	-	15,620	-	7,682	17,822	19,220	18,361	11,648	-	90,353
90999	Capacity Upgrades Special Studies and Strategy Implementation	-	-	1,365	4,297	7,904	12,701	6,776	1,988	759	-	-	-	-	35,789
Sub Total Growth/Expansion		108,884	16,094	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	-	1,461,610
Total Tangible Capital Assets		108,884	16,094	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	-	1,461,610
TOTAL GROSS EXPENDITURES		108,884	16,094	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	-	1,461,610



2011 Business Plan and Budget
York Region Rapid Transit Corporation
Rapid Transit

10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
														(in \$000's)	
FINANCING SOURCES															
Regional Sources															
	Development Charges	-	-	53,329	23,116	15,969	11,433	7,965	384	891	961	918	582	-	115,548
	Other Revenues	10,000	-	-	-	-	-	-	-	-	-	-	-	-	10,000
	Reserve: General Capital	3,835	1,101	1,365	688	-	-	-	-	-	-	-	-	-	6,989
	Sub Total Regional Sources	13,835	1,101	54,695	23,804	15,969	11,433	7,965	384	891	961	918	582	-	132,537
External Sources															
	Federal Funding	34,150	6,916	90,568	128,504	81,930	47,922	45,898	-	-	-	-	-	-	435,889
	Provincial Funding	26,749	1,161	93,329	112,619	68,071	40,865	45,898	-	-	-	-	-	-	388,693
	Sub Total External Sources	60,899	8,077	183,897	241,123	150,002	88,788	91,796	-	-	-	-	-	-	824,582
	TOTAL AVAILABLE FINANCING	74,734	9,178	238,592	264,928	165,970	100,221	99,761	384	891	961	918	582	-	957,120
	TOTAL DEBENTURE REQUIREMENTS	34,150	6,916	63,417	125,166	81,599	64,811	54,689	9,286	17,689	18,259	17,443	11,065	-	504,490
	TOTAL FINANCING SOURCES	108,884	16,094	302,009	390,094	247,569	165,031	154,450	9,670	18,581	19,220	18,361	11,648	-	1,461,610
DEBENTURE REPAYMENT SOURCES															
	Development Charges	20,231	1,136	9,000	56,000	33,000	21,000	26,000	-	-	-	-	-	-	166,367
	Tax Levy	13,918	5,781	54,417	69,166	48,599	43,811	28,689	9,286	17,689	18,259	17,443	11,065	-	338,123
	TOTAL DEBENTURE REQUIREMENTS	34,150	6,916	63,417	125,166	81,599	64,811	54,689	9,286	17,689	18,259	17,443	11,065	-	504,490

2011 Business Plan and Budget
York Region Rapid Transit Corporation
Rapid Transit
10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Levy Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
90991	Bus Rapid Transit - Funded	-	-	-	-	-	-	-	-
90992	Bus Rapid Transit (BRT) Facilities and Terminals	112,569	-	-	44,038	12,700	55,832	-	-
90993	Bus Rapid Transit (BRT) Vehicles - Partially or Fully Funded	30,657	-	-	12,263	3,066	15,329	-	-
90994	Bus Rapid Transit - Unfunded	335	-	335	-	-	-	-	-
90995	Light Rail Transit (LRT) (including Conversion Bus Rapid Transit to LRT)	518	-	518	-	-	-	-	-
90996	Spadina Subway Extension	992,171	-	1,200	249,134	94,511	647,326	-	-
90997	Yonge Subway Extension	74,239	-	-	37,119	-	37,119	-	-
90998	Bus Rapid Transit (BRT) Vehicles - Unfunded	90,353	-	-	85,835	4,518	-	-	-
90999	Capacity Upgrades Special Studies and Strategy Implementation	35,789	-	-	35,036	754	-	-	-
Total Tax Supported		1,336,632	-	2,054	463,424	115,548	755,606	-	-
TOTAL FINANCING SOURCES		1,336,632	-	2,054	463,424	115,548	755,606	-	-

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2011 Capital Business Plan

Roads

Capital Strategy

York Region is responsible for regional mobility for all modes of travel, including moving people in cars, on transit, on foot, on bikes and for businesses moving goods and services. This goal is accomplished in part through construction and upkeep of the Region's arterial road network. This arterial network currently consists of over 3,300 lane-kilometres of both urban and rural arterial roads.

In addition to providing for inter- and intra-regional movement of residents and goods, this arterial network also serves for the direct access needs of thousands of adjacent residences and businesses who have street addresses on our roads. Furthermore, many of our road segments are the "Main Streets" of our communities. As such the capital strategy also reflects consideration of these road segments as community amenities and economic development amenities. The many needs of our customers or users include not only effective vehicular, pedestrian, cycling and transit movement, but also access to property, community integration, and aspects of "being a good neighbour".

Funding for the roads capital program comes primarily from two sources. Development charge revenues largely fund expansion of the road network, and tax revenues are used to pay for the ongoing upkeep or renewal costs of the existing network.

The Roads Capital Strategy includes the attached proposed multi-year program, which continues the focus endorsed by Regional Council over the last two years, by addressing three primary areas:

- Growth (Road Network Expansion)
- Asset Management (State of Good Repair)
- Optimizing Network Performance

The proposed program reflects prudent planning to address current financial realities. Over the last few years it has been noted that the projected costs of the planned projects continue to rise for a number of reasons, primarily;

- Significant changes in scope due to:
 - Increases in regulatory requirements
 - Increases in customer and user expectations
- Increases in construction and property costs

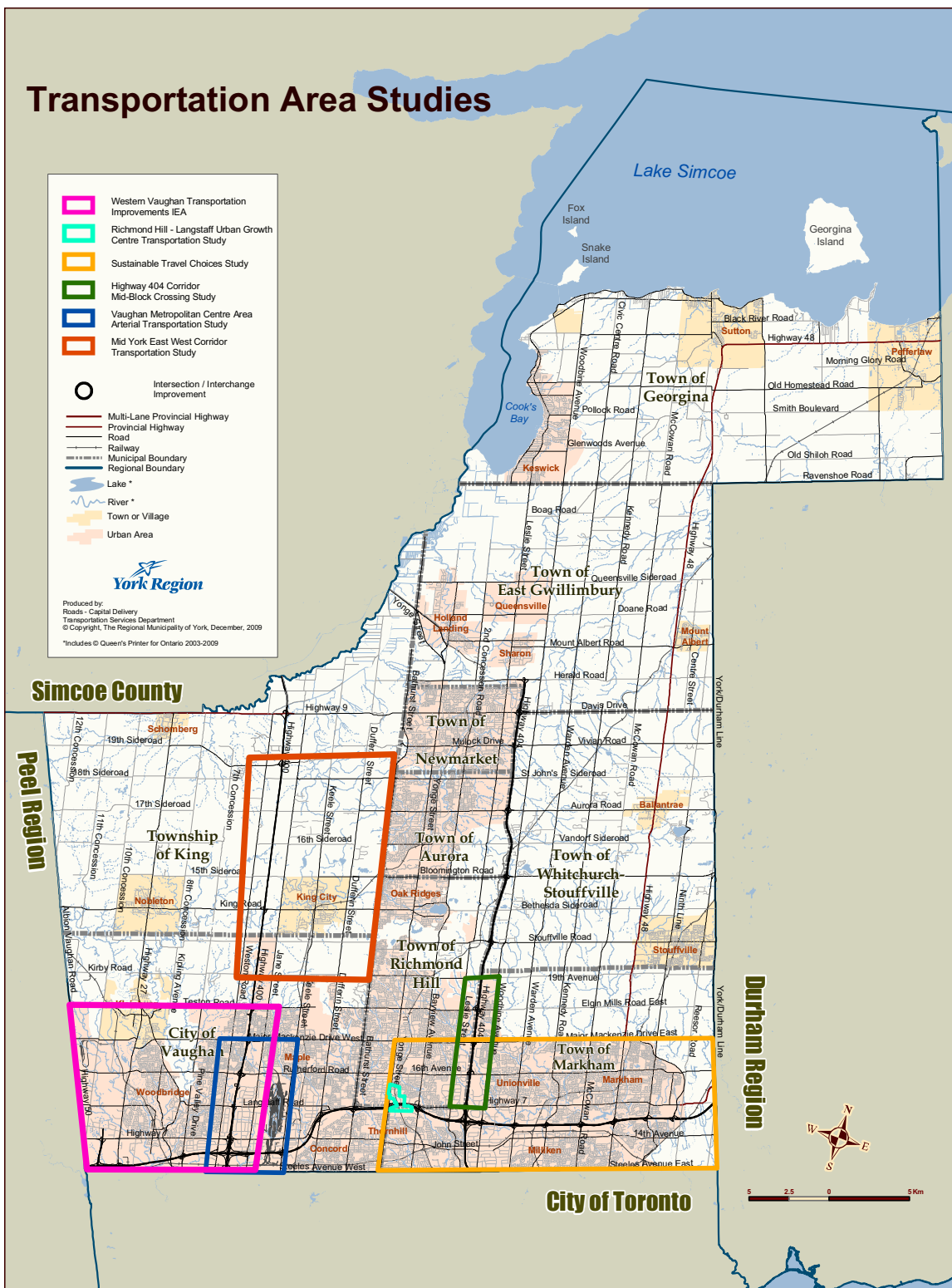
The need to accommodate a greater breadth of needs associated with individual projects, combined with recent higher cost experience, has been balanced with the need to flat-line tax-levy funding over the 10-year program period.

The proposed 2011 program, while building in a greater breadth of amenities and mitigation into each individual project, does result in the deferral of several expansion projects in order to hold the line on tax levy reliance.

A more detailed account of the proposed strategy respective to each category of projects follows.

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Growth (Road Network Expansion)

The growth related projects component of the 2011 Roads Capital Plan has been significantly refined to reflect recent trends, including:

- A more sustainable transportation vision which focuses on a modal shift to public transit and support for walking and cycling
- Costs and funding pressures
- Ongoing transportation studies

There are five new key transportation area studies underway or to begin in 2011 that will help inform localized capital improvement planning. These studies are:

- Western Vaughan Transportation Improvements Individual Environmental Assessment
- Richmond Hill – Langstaff Urban Growth Centre Transportation Study
- Sustainable Travel Choices (Markham-area study)
- Highway 404 Corridor Area Study – Highway 7 to 19th Avenue
- Vaughan Metropolitan Centre Area Arterial Transportation Study
- Mid York East West Corridor Transportation Study

The trend of significant upward pressure on project base costs, including those for property, utility relocations and construction, continues. In developing the 2011 Roads Capital Plan, costs for all projects in the plan were re-estimated. As a result, cost escalation, specifically for widening projects from two to four lanes and four to six lanes has resulted in modest deferrals of a number of these projects to maintain tax levy funding requirements at current levels.

To optimize the delivery of all Regional infrastructure road projects have always been coordinated with water, wastewater, rapid transit, development construction and maintenance work projects wherever they coincide physically and from a timing standpoint. Such coordination reduces costs and community impacts.

The components of the Road Network Expansion include:

- Bringing the current roads in urban areas up to the baseline (i.e. 4 lanes to allow for public transit and access to our critical employment lands) to create a mature network (i.e. urban roads in urban areas);
- Transit Supportive Roads – in some areas where there is a demonstrated need for higher transit service to feed the rapidways, the expansion of those roads are premised on transit supportive improvements such as High Occupancy Vehicle/Transit lanes, as well as promoting other modes (cycling facilities);
- Intersection Improvements – these are in many cases ways to alleviate some of the congestion on a link with quicker, less expensive solutions and can defer the need to fund more comprehensive reconstruction. It also helps address operational issues at some intersections;

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- Partnering with other jurisdictions to construct infrastructure. This includes other Regional or Local Municipalities as well as front end financed projects by the development industry.

Asset Management (State of Good Repair)

To maintain our road infrastructure in a state of good repair and maximize the useful life and community benefits from transportation investments, a strengthened focus on infrastructure asset management continues in 2011. This will be accomplished by implementing proactive pavement and bridge management systems with a goal of maximizing infrastructure value and returns by determining maintenance needs required at critical points during the life cycle of our assets.

The Road rehabilitation program includes everything from crack sealing to more comprehensive pavement rehabilitation. The trend is towards more sustainable pavement recycling techniques to re-use the materials that are already in place. Also, rehabilitating the drainage systems within our inventory has become a critical part of protecting our assets and managing risks associated with major storm events. This has been included in the 2011 Roads Capital Plan.

Optimizing Network Performance

The 2011 Roads Capital Plan includes a number of ongoing programs which are aimed at optimizing the efficiency and effectiveness of the Regional Road Network. This includes an aggressive series of projects as part of the Intelligent Traffic System Strategy that were first adopted as part of the 2008 Plan. The goal of these projects is to provide more accurate and timely data to commuters so that more informed travel choices can be made. It will also allow York Region to be more responsive in the case of incidents on our roads so that the network can respond in the most efficient manner.

The 2008 approved Pedestrian and Cycling Master Plan guides the Region as it works with local municipalities over the next 25 years and beyond to implement a comprehensive on and off-road region-wide pedestrian and cycling network. This network provides York Region residents and commuters with alternative active modes of transportation and complements the Region's sustainability goals. 2011 will see the construction of numerous kilometres of bike paths as the implementation of the Pedestrian and Cycling Master Plan continues. This focus on active transportation continues to move towards getting people out of cars for at least some of their trips. The construction of Transit/High Occupancy Vehicle lanes further demonstrates York Region's goal of moving as many people and goods as possible within our right-of-ways by sustainable means. The proposed program also maintains the very successful and award winning Smart Commute programs, in partnership with Metrolinx.

In summary, over the next ten years, the 2011 Roads Capital Plan (shown in **Error! Reference source not found.**) will accomplish the following:

- Build approximately 410 new lane-kilometres of arterial roads.
- Resurface approximately 600 lane-kilometres of Regional roads.

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- Rehabilitate approximately 70 bridge structures.
- Improve approximately 18 intersections.
- Build approximately 150 kilometres of Bike lanes
- Build approximately 105 lane-kilometres of Transit/ High Occupancy Vehicle lanes
- Build 2 new highway interchanges.
- Build 3 new rail grade-separations.

Key Initiatives

Road Network Expansion

The priority setting framework approved by Regional council in 2006 has again been used as a tool to assist staff in programming the ten-year Roads Capital Plan. It involves prioritizing road projects based on a number of primary criteria including current traffic volume, forecast traffic volume, existing pavement condition, existing traffic safety index, and expected project related network and community benefits. Additional criteria such as transit priority, natural environmental considerations, economic development and real time delays have also been included in the priority setting framework and have become an important decision making tool that is used to develop the program. The road projects are further prioritized based on a second set of criteria including project readiness, coordination with other public infrastructure construction, and compatibility with Regional policies. Also, the coordination of any road projects that coincide with rapid transit corridors continues to be a key priority and staff continue to work to align the construction of both the road and transit infrastructure.

The table below identifies the projects that are being proposed to be advanced in the 2011 Capital Plan. These projects are also shown in **Error! Reference source not found.**

Advanced Projects	Construction Year	
	2010 Plan	2011 Plan
Jane Street and King/Vaughan Road (Intersection)	2017	2015
Keele Street at 17th Sideroad (Intersection)	2017	2015
Markham Bypass - Major Mackenzie Drive to Highway 48	2018	2016

The advanced projects identified in the table above, have been advanced in order to coordinate with a Watermain construction contract to minimize construction disruption

The proposed timing of the following projects has been adjusted in reflection of the objectives identified earlier. They are also shown in **Error! Reference source not found.**

Deferred Projects	Construction Year	
	2010 Plan	2011 Plan

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Deferred Projects	Construction Year	
	2010 Plan	2011 Plan
16th Avenue - Yonge Street to Highway 404	2014	2016
16th Avenue and Reesor Road Jog Elimination (Intersection)	2011	2012
Bathurst Street - North of Highway 7 to Rutherford Road	2011	2013
Bathurst Street - Rutherford Road to Major Mackenzie Drive	2011	2012
Cedar Avenue Extension from Langstaff Road to High Tech Road	2011	2015
Highway 50 and Albion-Vaughan Road/Mayfield	2014	2015
Highway 50 - Rutherford Road to Major Mackenzie Drive	2013	2017
Highway 7 - Rouge River to Verclaire Gate	2010	2011
Highway 7 and Keele Street (Intersection)	2014	2015
Jane Street and Major Mackenzie Drive (Intersection)	2014	Beyond 2020
Jane Street and Rutherford Road (Intersection)	2013	2014
Keele Street - Steeles Avenue to Highway 407	2013	2013
Kennedy Road - 14th Avenue to Highway 407	2017	Beyond 2020
King Road - Highway 27 to Highway 400	2014	2015
Major Mackenzie Drive - CPR to Highway 27	2013	2014
Major Mackenzie Drive - Highway 27 to Weston Road	2012	2014
McCowan Road - 14th Avenue to Bullock Drive	2015	2018
Rutherford Road - Jane Street to Dufferin Street	2013	2014
Rutherford Road - Dufferin Street to Bathurst Street	2016	2017
Vaughan Metropolitan Centre - Highway 400/Highway 7 Interchange	2012	2014
York Durham Line - Bloomington Road to Main Street Stouffville	2016	2018
York Durham Line - Highway 7 to Main Street Stouffville	2018	2019

New Projects Proposed to be Added in 2011

The following list consists of projects that have not previously been identified in the 10 Year Capital Program.

New Projects	Construction Year
	2011 Plan
Pavement Markings Program	2011
Road Sign Program	2011
King Road Rehabilitation- Yonge Street to Bond Crescent	2012
Peggy's Wood Nature Reserve	2012

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New Projects	Construction Year
	2011 Plan
York Regional Forest Headquarters Upgrade	2013
Keele Street and Lloydtown/Aurora Road Intersection Improvement	2015
18th Sideroad from Dufferin Street to Bathurst Street	Beyond 2020
15th Sideroad from Keele Street to Bathurst Street	Beyond 2020

Infrastructure Condition Optimization

To prolong the life of our important road and bridge infrastructure, well funded road resurfacing and bridge rehabilitation programs are essential. It has been well documented and recognized in the industry that a proactive maintenance program, including regular resurfacing and bridge rehabilitation will maximize the life of these structures and, therefore, reduce the cost of reconstruction over the long run. The Region will continue with its proactive resurfacing and bridge rehabilitation programs to ensure the conditions are such that we are able to optimize the value of this infrastructure.

Cracking and deformations in asphalt are signs of distress in the pavement structure. In order to manage and maintain the asset value of roads within its jurisdiction, the Region uses a Pavement Management System (PMS) to analyze the distresses exhibited on the roadways. Through this program we are able to prioritize and decide which roads need to be addressed each year. Currently, geotechnical investigations are underway to determine the most appropriate and cost effective rehabilitation strategy for the following road segments, which have been identified for construction in 2011, and are shown in **Error! Reference source not found.**

Rehabilitation Projects	Lane Kilometres
Highway 9 from Highway 400 to Bathurst Street	37.5
Kennedy Road from Herald Road to Mount Albert Road	4.4
Kennedy Road from Bloomington Road to Davis Drive	21.0
Markham Road from Steeles Avenue to Highway 407	16.8
Wellington Street from Bathurst Street to Yonge Street	8.8
Woodbine Avenue from Steeles Avenue to Highway 7	24.5

As part of the Regional bridge management system, the conditions of all bridges are assessed once every two years (with half done each year). At this point, projects that are identified for rehabilitation have been allocated funding in the first two years of the 10 year program. It is proposed that the average annual funding that has historically been spent to maintain bridges in a state of good repair be allocated in years three to ten in the 10 year program. This will ensure adequate funding is available when the next series of projects are identified.

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Furthermore, the Region continues to include a drainage system rehabilitation program. Funds have been allocated in 2011 to identify improvements required to the Regional stormwater management and conveyance facilities to protect the road infrastructure from damage. The Region will then proactively develop a program to prioritize and begin implementation of work on the projects that are identified as Regional priorities. The Region will also continue to partner with local municipalities on projects of mutual benefit.

Policy Implementation

Noise Policy Implementation

In 2006, Regional Council approved an updated noise policy. In broad terms, this updated policy identified changes to the way in which the Region predicts future noise levels and mitigates impacts to adjacent residents from traffic noise resulting from the reconstruction and widening of Regional roads. This responsive policy has resulted in increased attention and commitments by the Region to mitigate traffic related noise and impacts to adjacent residents.

Pedestrian and Cycling Master Plan (PCMP) Implementation

The Pedestrian and Cycling Master Plan will guide the Region as it works with local municipalities over the next 25 years and beyond to implement a comprehensive on and off-road region-wide pedestrian and cycling network. This network provides York Region residents and commuters with alternative active modes of transportation and complements the Region's sustainability goals. The Pedestrian and Cycling Master Plan implementation strategy identifies priorities and estimates the costs for the next 10 years. It also sets out a fiscally sound approach to implementation, and provides a pedestrian and cycling network implementation process that can be integrated into annual service, capital investment and delivery programs.

The Pedestrian and Cycling Master Plan implementation strategy includes:

1. Proposed cycling facilities that are to be constructed as part of the Capital road widening and road reconstruction programs;
2. Pavement Marking and Signage Plan Program to designate cycling routes on existing roadways;
3. Outreach Programs which establish promotional and educational policies and programs including a marketing strategy;
4. A proposed organizational structure to administer the Pedestrian and Cycling Master Plan, including the establishment of a Regional Cycling Coordinator;
5. Other programs such as bike racks on York Region Transit buses and at bus stops, and the Municipal Partnership Program for cost-sharing of applicable local municipal pedestrian and cycling infrastructure which meets the Region's criteria.

The Region's award winning Pedestrian and Cycling Master Plan was finalized in 2008 and the implementation of numerous projects has already begun, as identified in the 2010 program. Also, York Region will continue to partner with our local municipalities in sharing costs for pedestrian and cycling projects that serve both organizations' objectives.

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Long Term Outlook

Expenditures

The 2011 Roads Capital Plan not only takes into consideration cost and funding pressures but also the deliverability of the program. The escalation in costs of capital expansion projects has led to the need to adjust the timing of a number of projects in order to maintain tax levy funding needs at current levels. In doing so, a good deal of consideration was given to the practical deliverability of these identified projects.

As with any forecasted outlook, there are uncertainties. This forecasted outlook has taken into consideration future growth projections, existing and forecasted infrastructure conditions, and practical deliverability in order to minimize unknown risks. The outlook is however constrained to consideration of known pressures on the costing of projects, and does not include contingencies for as yet unknown or unanticipated future changes, obligations or opportunities which might arise during the implementation phase of future projects.



2011 Business Plan and Budget
Transportation Services
Roads

10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Bridges	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	15,000
Corporate Strategic Programs	750	250	250	250	250	250	250	250	250	250	3,000
Engineering and Design	555	1,329	-	-	-	-	-	-	-	-	1,884
O&M Facilities	-	-	850	-	-	-	-	-	-	-	850
Program Management	400	-	-	-	-	-	-	-	-	-	400
Road Construction	-	2,175	2,640	-	-	-	-	-	-	-	4,815
Road Surface	8,033	11,542	14,575	14,575	14,575	14,575	14,575	14,575	14,575	14,575	136,175
Rolling Stock & Related Equipment	1,375	1,255	925	1,105	1,575	1,575	1,575	1,575	1,575	1,575	14,110
Sub Total Rehabilitation/Replacement	12,613	18,051	20,740	17,430	17,900	17,900	17,900	17,900	17,900	17,900	176,234
Growth/Expansion											
Bridges	-	19,236	2,525	3,655	-	-	-	-	-	-	6,180
Engineering and Design	22,262	13,851	9,400	11,407	5,587	5,668	6,767	7,452	80	465	109,074
Intersections	410	475	400	2,550	2,950	1,000	-	250	250	300	8,585
O&M Facilities	3,432	2,710	1,190	-	-	-	-	-	-	-	7,332
Pre-Development & Environmental Assessment	700	1,500	700	1,500	700	1,500	700	1,500	700	1,500	11,000
Property Acquisition	60,579	65,489	58,205	94,629	113,887	132,169	137,799	93,434	82,205	69,628	908,024
Road Construction	175	280	315	755	1,025	1,025	1,025	1,025	1,025	1,025	7,675
Rolling Stock & Related Equipment	101,409	112,281	103,032	125,756	147,561	157,001	154,647	108,882	89,481	78,139	1,178,189
Sub Total Growth/Expansion											
Enhancement/Improvement											
Regional Forest Property Upgrade	120	120	120	120	120	120	120	120	120	120	1,200
Road Construction	50	50	50	50	50	50	50	50	50	50	500
Sub Total Enhancement/Improvement	170	170	170	170	170	170	170	170	170	170	1,700



2011 Business Plan and Budget
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10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
Total Tangible Capital Assets	114,192	130,502	123,942	143,356	165,631	175,071	172,717	126,952	107,551	96,209	1,356,123
Non-Tangible Capital Assets											
Rehabilitation/Replacement											
Level Crossings	850	500	500	500	500	500	500	500	500	500	5,350
Planning & Studies	150	150	150	180	180	180	180	180	180	180	1,710
Program Management	100	100	100	100	100	100	100	100	100	100	1,000
Road Surface	2,500	2,500	2,500	2,500	2,500	-	-	-	-	-	12,500
Streetscaping	700	700	700	700	700	700	700	700	700	700	7,000
Sub Total Rehabilitation/Replacement	4,300	3,950	3,950	3,980	3,980	1,480	1,480	1,480	1,480	1,480	27,560
Growth/Expansion											
Corporate Strategic Programs	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	12,000
Engineering and Design	3,530	6,720	2,700	1,200	1,200	1,200	1,200	1,200	1,200	1,200	21,350
Intersections	-	-	165	765	600	-	-	-	-	-	1,530
ODA	250	-	-	-	-	-	-	-	-	-	250
Planning & Studies	670	600	450	300	300	650	650	300	300	300	4,520
Regional Forest Property Upgrade	-	100	100	-	-	-	-	-	-	-	200
Road Construction	15,057	2,310	3,447	2,200	3,041	400	3,890	4,260	-	-	34,605
Streetscaping	1,318	1,780	1,780	1,780	2,280	2,280	2,280	2,280	2,280	2,280	20,338
Sub Total Growth/Expansion	22,025	12,710	9,842	7,445	8,621	5,730	9,220	9,240	4,980	4,980	94,793
Total Non-Tangible Capital Assets	26,325	16,660	13,792	11,425	12,601	7,210	10,700	10,720	6,460	6,460	122,353
TOTAL GROSS EXPENDITURES	140,517	147,162	137,734	154,781	178,232	182,281	183,417	137,672	114,011	102,669	1,478,476



2011 Business Plan and Budget
Transportation Services
Roads

10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Total Rehabilitation/Replacement	16,913	22,001	24,690	21,410	21,880	19,380	19,380	19,380	19,380	19,380	203,794
Total Growth/Expansion	123,434	124,991	112,874	133,201	156,182	162,731	163,867	118,122	94,461	83,119	1,272,982
Total Enhancement/Improvement	170	170	170	170	170	170	170	170	170	170	1,700
TOTAL GROSS EXPENDITURES	140,517	147,162	137,734	154,781	178,232	182,281	183,417	137,672	114,011	102,669	1,478,476

FINANCING											
Reserves	(1,425)	(2,255)	(1,125)	(2,105)	(1,775)	(2,575)	(1,775)	(2,575)	(1,775)	(2,575)	(19,960)
Debtenture Proceeds	-	-	-	-	-	-	-	-	-	-	-
Development Charges	(105,393)	(104,317)	(90,444)	(106,478)	(127,188)	(135,762)	(135,823)	(87,242)	(71,401)	(62,801)	(1,026,847)
Grants & Subsidies	-	-	-	-	-	-	-	-	-	-	-
Other Recoveries	(1,450)	(875)	(893)	(971)	(6,441)	(2,322)	(1,905)	(1,981)	(966)	(3,520)	(21,324)
TOTAL FINANCING	(108,268)	(107,447)	(92,462)	(109,554)	(135,404)	(140,659)	(139,503)	(91,798)	(74,142)	(68,896)	(1,068,131)
TAX LEVY	(32,249)	(39,715)	(45,272)	(45,227)	(42,828)	(41,622)	(43,914)	(45,874)	(39,869)	(33,773)	(410,345)



2011 Business Plan and Budget
 Transportation Services
 Roads

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	-	23	23	33	118	221	333	482	584	676
Contract/Program Costs	-	55	62	83	277	1,017	1,273	1,618	1,834	2,029
Total Gross Costs	-	78	85	116	395	1,238	1,606	2,100	2,418	2,705
Total Net Cost (Tax Levy)	-	78	85	116	395	1,238	1,606	2,100	2,418	2,705

2011 Capital Business Plan

Roads

Pressures of Net Operating Impact of New Capital Projects

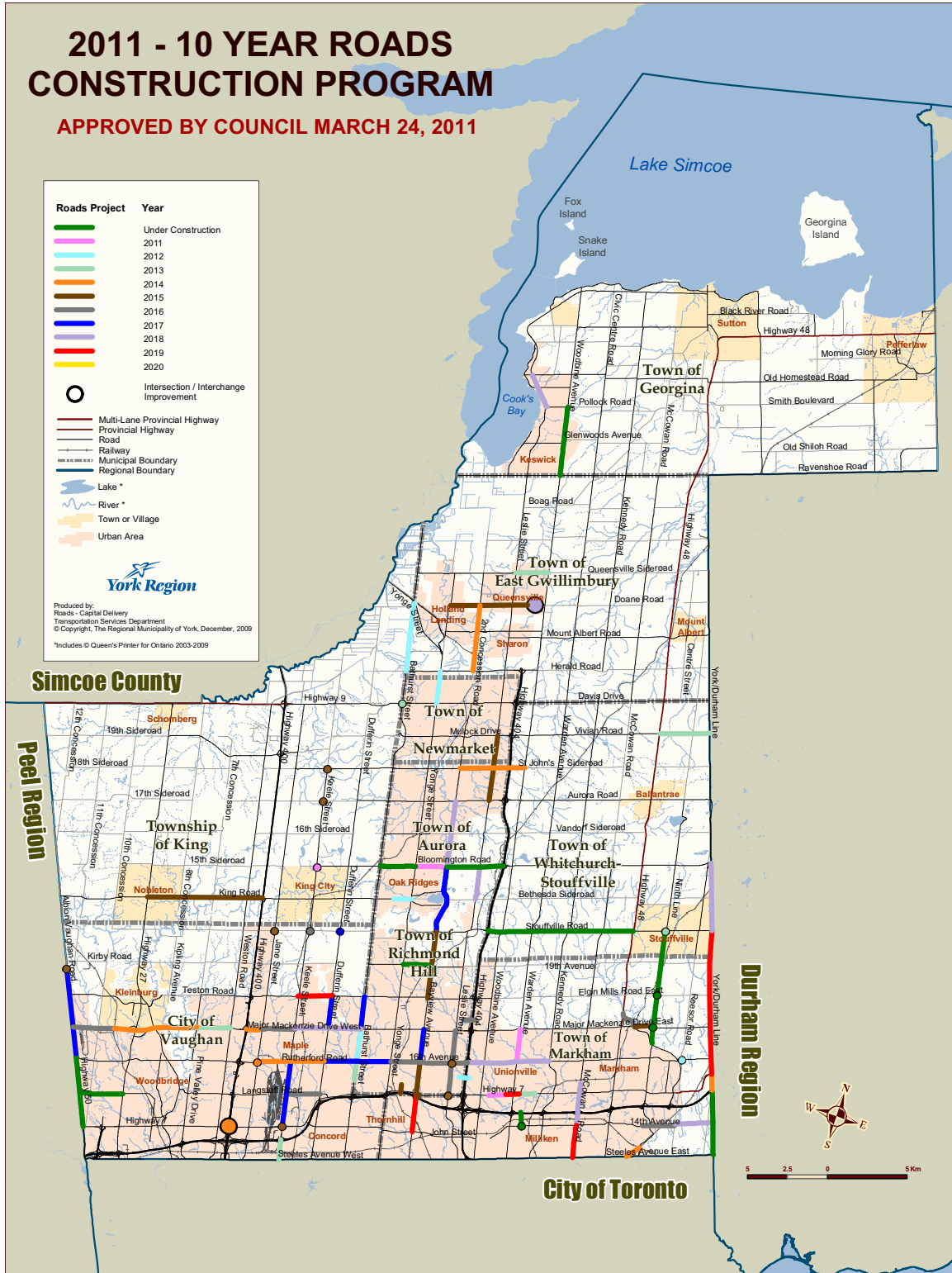
For each lane km and intersection added to the road network, an anticipated cost to maintain the lane km or intersection is assumed. The net impact of Capital projects on the Operations Budget are derived from the Roads operations' Key Performance Indicators. The cost per lane km and the cost per intersection are calculated and reported as Key Performance Indicators in the Roads Operation Budget. Lane kilometres or intersections completed are then multiplied by these Key Performance Indicators to determine the net operating impact of Capital on Operations. The cost per lane km includes the cost of road maintenance including internal salaries, contractors such as snow removal and line painting, and supplies such as road salt and sand. The cost per intersection includes salaries, contractors such as signal and illumination maintenance, and hydro electricity. These two Key Performance Indicators have experienced significant increases in recent years due to fuel price escalation pushing contractor and granular material prices higher.

The Net Operating Impact of new capital projects translates to an additional staff requirement of 19.5 FTE's, of which 1 FTE is required in 2011, 1 FTE in 2012, and 5 FTE's in 2013.

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Appendix

Figure 1



2011 Capital Business Plan

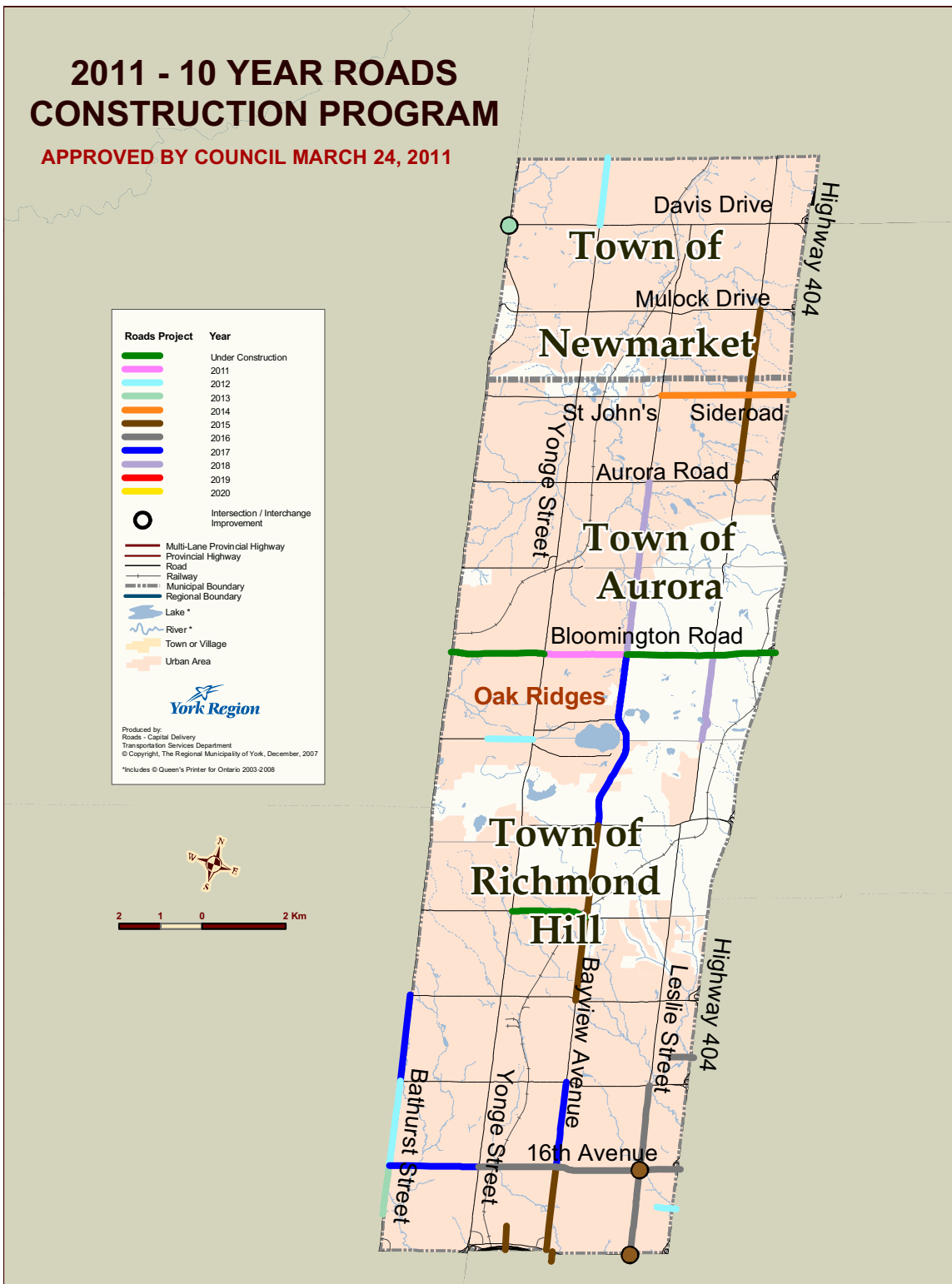
Roads

Figure 2



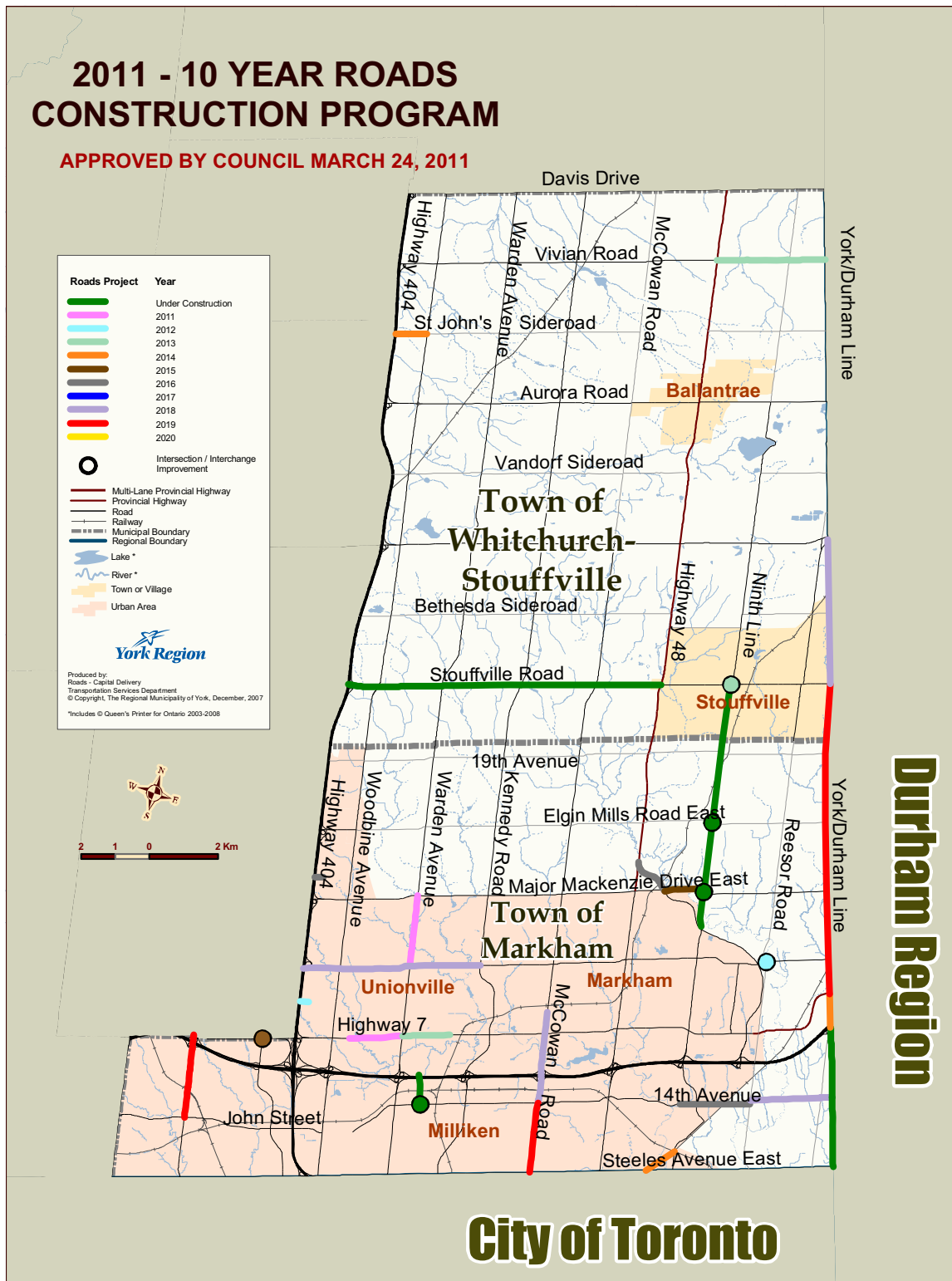
2011 Capital Business Plan Roads

Figure 3



2011 Capital Business Plan Roads

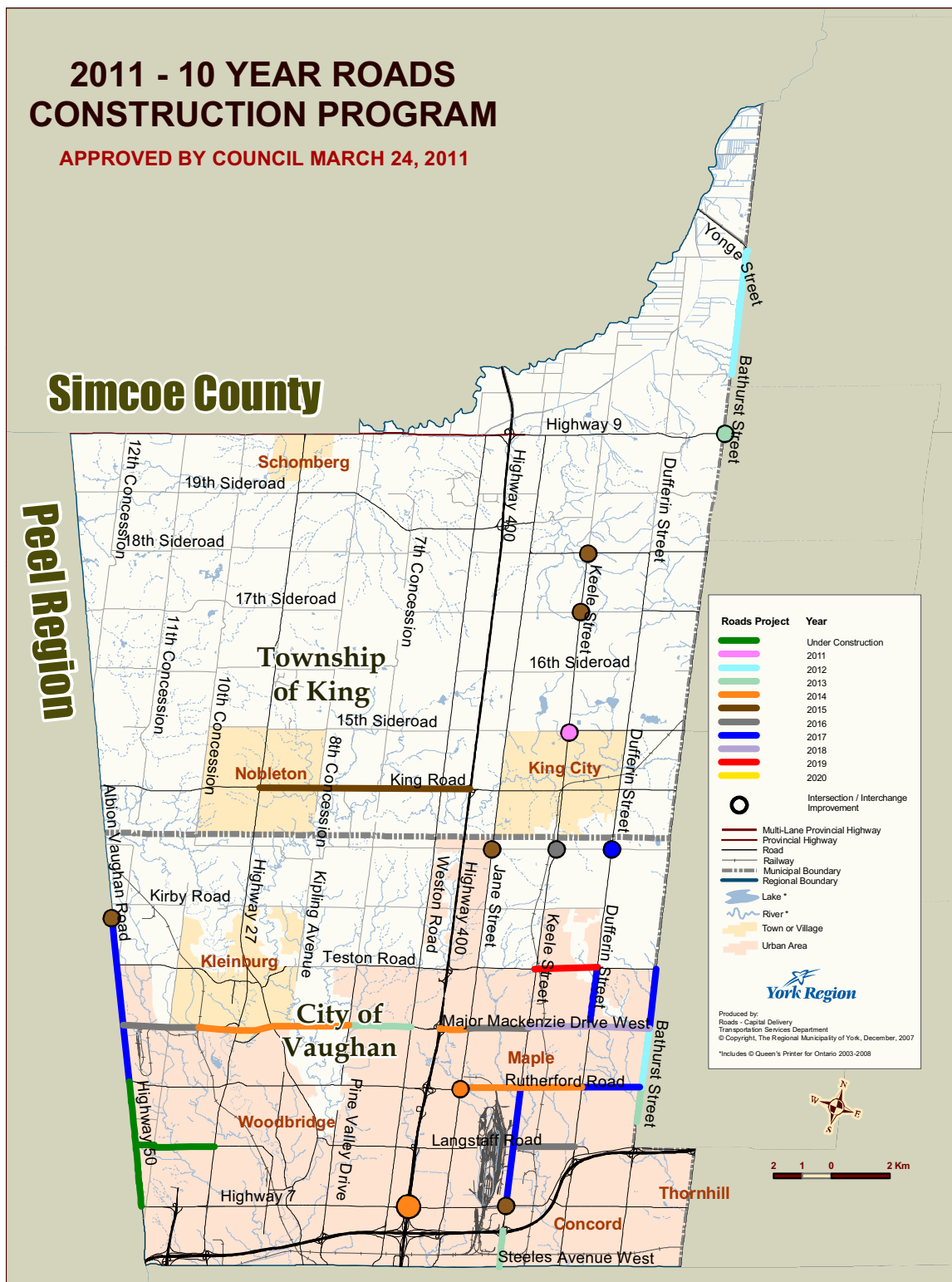
Figure 4



2011 Capital Business Plan

Roads

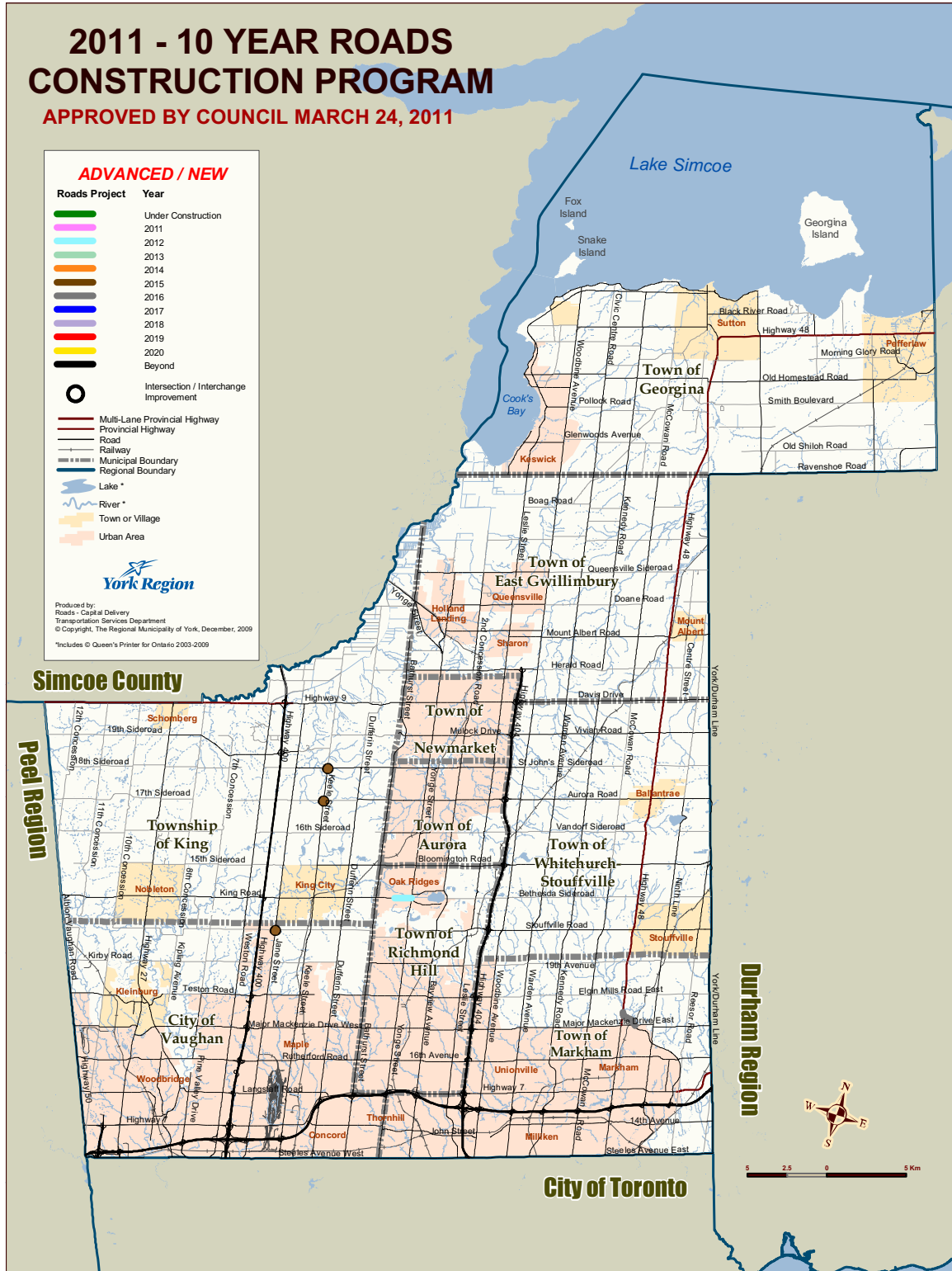
Figure 5



2011 Capital Business Plan

Roads

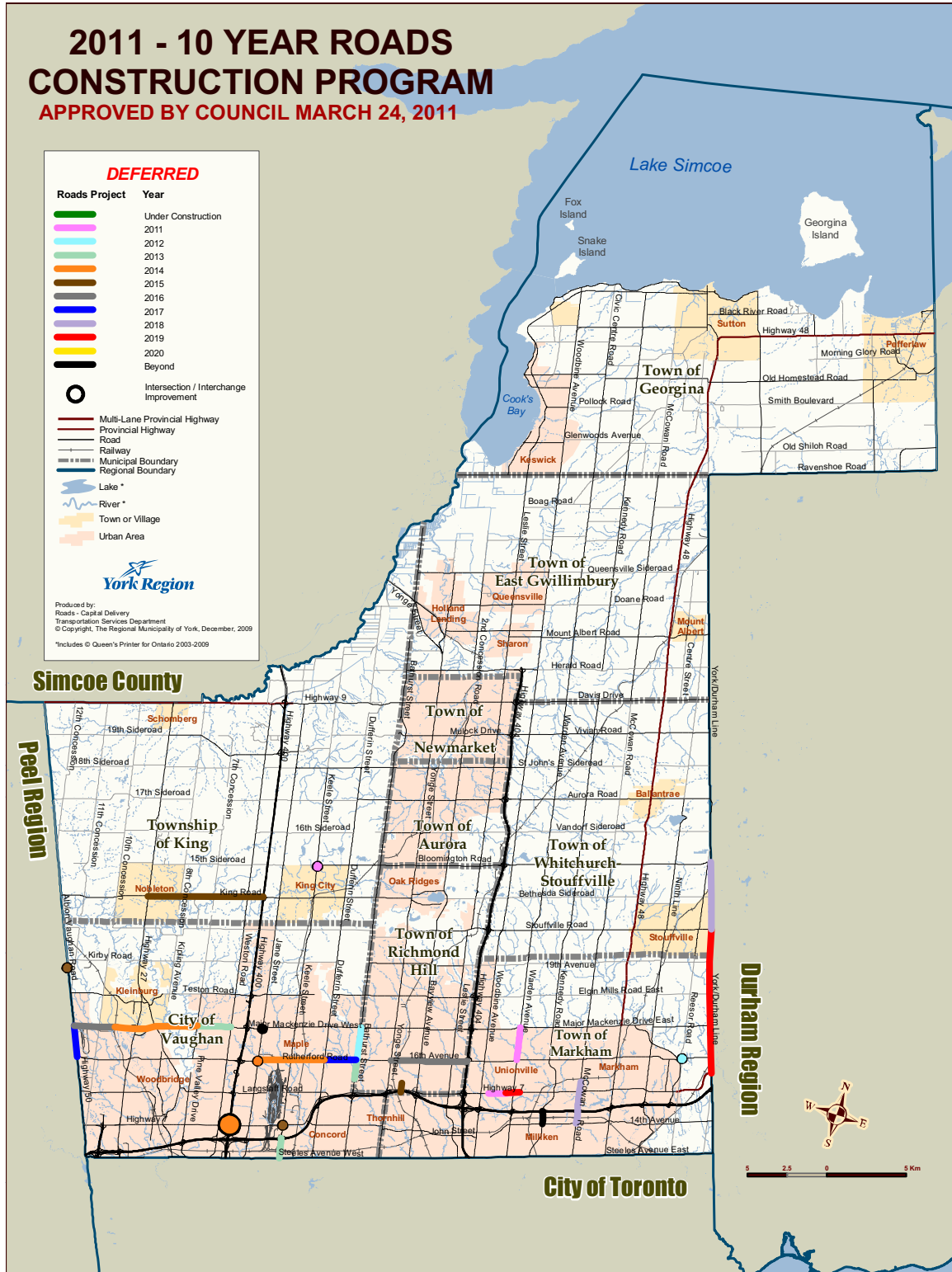
Figure 6



2011 Capital Business Plan

Roads

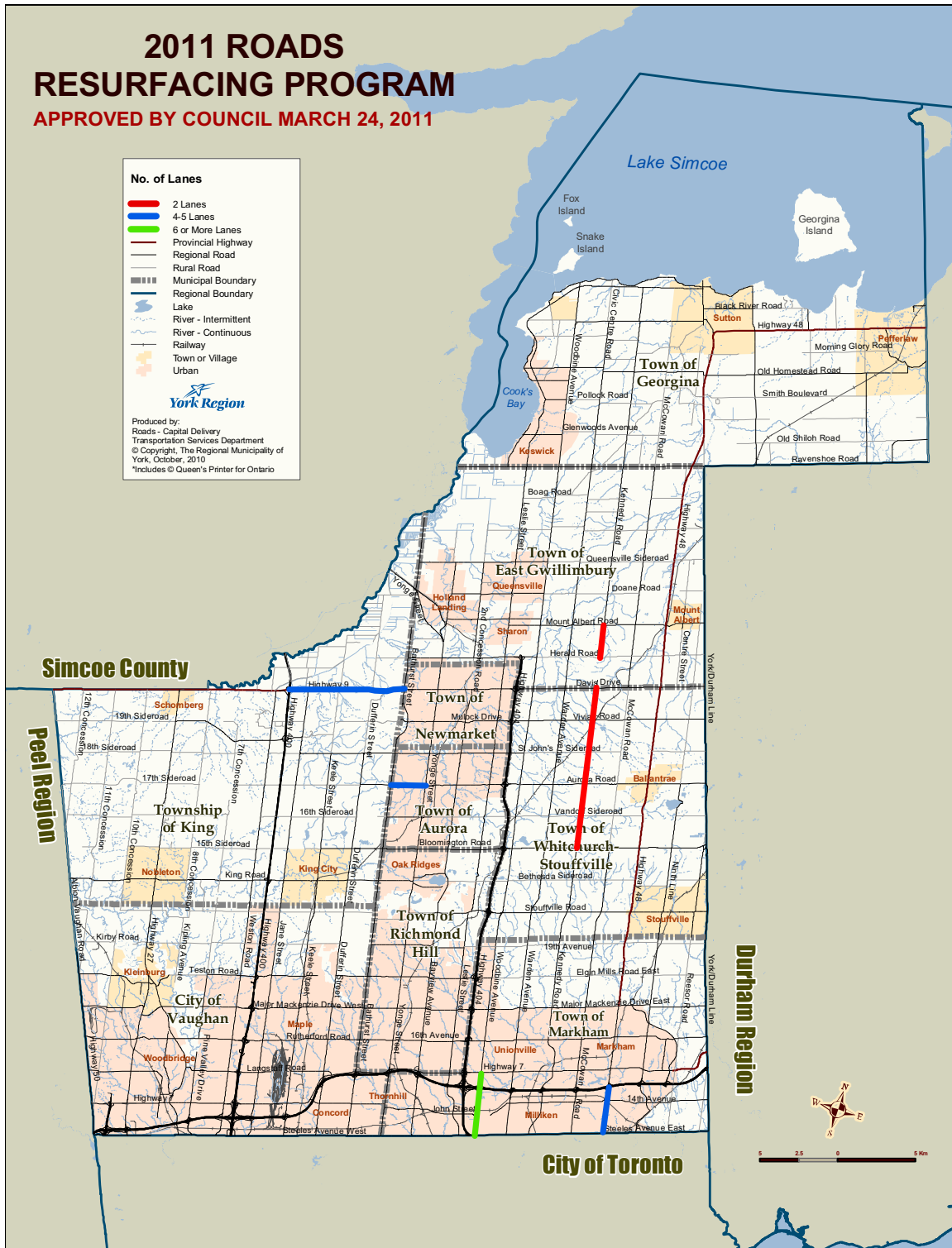
Figure 7



2011 Capital Business Plan

Roads

Figure 8





2011 Business Plan and Budget
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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
39930	Bridge & Culvert Rehabilitation	1,500	-	-	-	-	-	1,500
39960	Various Road Resurfacing	5,458	-	-	-	-	-	5,458
39980	Various Road Improvements	2,575	-	-	-	-	-	2,575
80101A	King Road - Yonge Street to Bond Crescent (Design/Property)	505	-	-	-	-	-	505
80108	Sign Inventory Management Program	500	-	-	-	-	-	500
80109	York Regional Forest Head Quarters (Pre Construction)	50	100	-	-	-	-	150
83910	Road Asset Management	400	-	-	-	-	-	400
83940	Teston Rd - East of Pine Valley Dr (Pre-Construction)	(1,229)	1,229	-	-	-	-	-
84930	Automated Vehicle Location (AVL) System - Winter Maintenance	150	-	-	-	-	-	150
84950	Drainage System Program	250	-	-	-	-	-	250
99910	Fleet Replacement	1,225	-	-	-	-	-	1,225
	Sub Total Rehabilitation/Replacement	11,384	1,329	-	-	-	-	12,713



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Growth/Expansion								
39920	Property Acquisition for Future Capital Projects	500	-	-	-	-	-	500
39950	Intersection Improvements Program	2,474	-	-	-	-	-	2,474
39970	Misc. Developer Credit	600	-	-	-	-	-	600
39990	Traffic Control Signal & Electrical Improvements	750	-	-	-	-	-	750
80104	Keele Street and Lloydtown/Aurora Rd (Class EA)	165	165	-	-	-	-	330
80107	Nobelton Area Ancillary Facility	100	200	-	-	-	-	300
80610	Bathurst St - King Rd to Wellington St	1,110	20	-	-	-	-	1,130
80620	Bathurst St - Wellington St to Mullock Dr	613	-	-	-	-	-	613
80660	Ninth Line - N of Major Mackenzie Dr to Stouffville Main St	735	(210)	2,795	-	-	-	3,320
80720	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Pre-Construction)	5,350	-	-	-	-	-	5,350
80790	14th Ave - Reesor Rd to York Durham Line (Class EA)	160	160	-	-	-	-	320
80880	York Greening Initiative-Land Securement	200	-	-	-	-	-	200
81320A	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Class EA)	1,020	1,260	1,260	-	-	-	3,540



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
81510	Keele St and 15th Sideroad	436	-	-	-	-	-	436
81810	Hwy 50 - Hwy 7 to Rutherford Rd	(845)	300	(350)	-	-	-	(895)
82730	Dufferin St - Major Mackenzie Dr to Teston Rd	240	-	-	-	-	-	240
82740	Bayview Ave - 16th Ave to Major Mackenzie Dr (Class EA)	100	75	-	-	-	-	175
83020	King Rd - Hwy 27 to Hwy 400 (Class EA)	40	500	-	-	-	-	540
83450	Major Mackenzie Dr - Hwy 50 to Canadian Pacific Railway (CPR) (Design/Property)	250	-	-	-	-	-	250
83850	Highway 50 and Albion-Vaughan Road/Mayfield (Pre-Construction)	55	140	140	100	-	-	435
83870	Ninth Line and Elgin Mills Rd	(2,600)	2,800	-	-	-	-	200
83880	Ninth Line and Major Mackenzie Dr	-	3,900	-	-	-	-	3,900
83890A	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	915	-	-	-	-	-	915
83900	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd (Pre-Construction)	650	-	-	-	-	-	650
84120	Keele St - Hwy 7 to Langstaff Rd (Class EA)	50	-	-	-	-	-	50
84180	Leslie St - Wellington St to St. John's (Design/Property)	151	232	942	40	-	-	1,365
84190A	Leslie St - St John's Sdrd to Mulock Dr (Class EA)	151	232	812	-	-	-	1,195



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
84200A	Doane Road - Highway 404 to Yonge St (Class EA)	545	545	3,000	3,750	-	-	7,840
84860	Bathurst St and Hwy 9 (Pre-Construction)	100	485	-	-	-	-	585
84890	Kennedy Rd - 14 th Ave to Hwy 407 (Class EA)	115	-	-	-	-	-	115
85110	Teston Road - Dufferin Street to Keele Street (Class EA)	266	-	-	-	-	-	266
85560	Rutherford Rd - Keele St to Dufferin St (Class EA)	125	-	-	-	-	-	125
85570	Rutherford Rd - Jane St to Keele St (Class EA)	124	-	-	-	-	-	124
85580	Rutherford Rd - Dufferin St to Bathurst St (Class EA)	67	-	-	-	-	-	67
85590	Carrville Rd - Bathurst St to Yonge St (Class EA)	94	-	-	-	-	-	94
85650	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Design/Property)	425	1,125	5,425	2,700	-	-	9,675
85660	Major Mackenzie Dr - Pine Valley Dr to Weston Rd (Design/Property)	570	550	-	-	-	-	1,120
85680	Major Mackenzie Dr - Jane St to Keele St (Class EA)	100	-	-	-	-	-	100



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
85690	Stouffville Rd - Warden Ave to Kennedy Rd	20	-	-	-	-	-	20
85700	Stouffville Rd - Kennedy Rd to McCowan Rd	115	-	-	-	-	-	115
85710	Yonge St - Davis Dr to Green Lane (Pre-Construction)	(560)	560	-	-	-	-	-
85720	Jane St and Major Mackenzie Dr (Pre-Construction)	55	55	105	50	-	-	265
85740	Hwy 7 and Keele St (Class EA)	57	-	-	-	-	-	57
85780	Ninth Line & Stouffville Rd Jog Elimination (Pre-Construction)	4,424	-	-	-	-	-	4,424
85790	Southeast Patrol Area Works Yard	310	275	400	2,550	2,950	1,000	7,485
86770	Major Mackenzie Dr - Bathurst St to Keele St (Class EA)	100	-	-	-	-	-	100
86810	York Durham Line - Hwy 407 to Hwy 7 (Pre-Construction)	-	-	550	-	-	-	550
86820	York Durham Line - Hwy 7 to Main St Stouffville (Class EA)	560	565	-	-	-	-	1,125
86900	Keele St at 17th Sdrd (Pre-Construction)	175	235	230	340	300	-	1,280
86910	Dufferin St and King/Vaughan Road (Pre-Construction)	325	800	-	-	-	-	1,125



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
86920	Keele St and King/Vaughan Road (Pre-Construction)	266	320	-	-	-	-	586
86930	Jane St and King/Vaughan Road (Pre-Construction)	291	500	500	-	-	-	1,291
86940	Keele St and McNaughton Rd (Construction)	2,000	-	-	-	-	-	2,000
91120	Metro Rd - Morton Ave to Old Homestead Rd (Class EA)	190	-	-	-	-	-	190
94200	Ninth Line - Hwy 407 to the Markham Bypass	1,388	-	-	-	-	-	1,388
96020	Bathurst St - Green Lane West to Yonge St (Pre-Construction)	(680)	1,300	-	-	-	-	620
96770	Keele St - Steeles Ave to Hwy 407 (Pre-Construction)	(404)	100	-	-	-	-	(304)
97000	Bayview Ave - Hwy 407 to 16th Ave (Class EA)	110	280	-	-	-	-	390
97010	Bloomington Rd - Yonge St to Bayview Ave (Construction)	1,425	9,100	1,800	-	-	-	12,325
97080	Bloomington Rd - Bayview Ave to Hwy 404	6,175	(4,875)	700	-	-	-	2,000
97100	St John's Sdrd - Bayview Ave to Woodbine Ave (Pre-Construction)	485	-	-	-	-	-	485
97120	Stouffville Rd - Hwy 404 to Warden Ave	-	1,010	-	-	-	-	1,010



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
97150A	Leslie St - Bethesda Sdord to Bloomington Rd (Class EA)	200	3,460	-	-	-	-	3,660
98210	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Class EA)	135	135	-	-	-	-	270
98340	19th Ave - Yonge St to Bayview Ave	(3,556)	5,990	-	-	-	-	2,434
98570	Langstaff Rd - Hwy 50 to Hwy 27	(1,000)	-	-	-	-	-	(1,000)
98670	Warden Ave - 16th Ave to Major Mackenzie Dr	300	-	-	-	-	-	300
98680	*Woodbine Ave - Major Mackenzie Dr to 19th Ave	7,800	-	-	-	-	-	7,800
98960	Kennedy Rd - Hwy 407 to Hwy 7 (Class EA)	175	-	250	-	-	-	425
99210	Bayview Ave - Bloomington Rd to Wellington St (Class EA)	300	300	-	-	-	-	600
99530	Bloomington Rd - Yonge St to Bathurst St	(4,374)	6,230	1,065	-	-	-	2,921
99540	Langstaff Rd - Dufferin St to Keele St (Class EA)	(210)	210	-	-	-	-	-
99550	McCowan Rd - Steeles Ave to 14th Ave (Class EA)	90	90	470	-	-	-	650
99780	McCowan Rd - 14th Ave to Bullock Dr (Class EA)	185	185	470	-	-	-	840



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
99890	Intelligent Transportation Systems (ITS)	2,791	-	-	-	-	-	2,791
99900	Fleet New Additions	175	-	-	-	-	-	175
	Sub Total Growth/Expansion	35,739	39,304	20,564	9,530	3,250	1,000	109,388
	Enhancement/Improvement							
82610	Regional Forest Property Upgrade	120	-	-	-	-	-	120
85830	Retrofit Noise Mitigation	50	-	-	-	-	-	50
	Sub Total Enhancement/Improvement	170	-	-	-	-	-	170
	Total Tangible Capital Assets	47,293	40,633	20,564	9,530	3,250	1,000	122,271
	Non-Tangible Capital Assets							
	Rehabilitation/Replacement							
80105	Pavement Marking Program	2,500	-	-	-	-	-	2,500
80570	Tree Planting on Region Rights of Way	700	-	-	-	-	-	700
83920	Traffic Safety Program Improvements	100	-	-	-	-	-	100
97230	Pavement Management Study - System Maintenance	150	-	-	-	-	-	150
99870	Various Railway Crossing Improvements	850	-	-	-	-	-	850
	Sub Total Rehabilitation/Replacement	4,300	-	-	-	-	-	4,300



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Growth/Expansion								
39910	Misc. Design & Survey for Future Projects	1,200	-	-	-	-	-	1,200
80430	Regional Streetscaping	1,318	-	-	-	-	-	1,318
81360	Hwy 427 Arterial Extension to Zenway Blvd	57	-	-	-	-	-	57
83470	Mid York East-West Transportation Study (King Bypass)	20	-	-	-	-	-	20
83480	Transportation Master Plan Update	350	300	150	-	-	-	800
83490	Smart Commute Initiative	200	-	-	-	-	-	200
83830	Ontarians with Disabilities Act (ODA) Compliance	250	-	-	-	-	-	250
84940	Pedestrian and Cycling Program	500	-	-	-	-	-	500
85120	Donald Cousens Parkway from Hwy 407 to Box Grove By-Pass	15,000	-	-	-	-	-	15,000
85800	Pedestrian and Cycling Master Plan	50	-	-	-	-	-	50



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
85810	Arterial Corridor Transportation Studies	250	-	-	-	-	-	250
86730	Highway 404 Interchange at Doane Road (Construction Phase 1)	(1,770)	1,770	-	-	-	-	-
86880	Pedestrian/Cycling Municipal Partnership Program	500	-	-	-	-	-	500
	Sub Total Growth/Expansion	17,925	2,070	150	-	-	-	20,145
	Total Non-Tangible Capital Assets	22,225	2,070	150	-	-	-	24,445
	TOTAL GROSS EXPENDITURES	69,518	42,703	20,714	9,530	3,250	1,000	146,716

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2011 New Total Project Budget Authority Explanations



Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
(in \$000's)					
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
39930	Rehabilitation/Replacement Bridge & Culvert Rehabilitation	This program will fund the rehabilitation of several small bridges & culverts by the Roads Branch. On-going project additional single year approval only.	5,695	7,195	1,500
39960	Various Road Resurfacing	This program funds the resurfacing of various Regional roads. Several projects are undertaken each year based on the Pavement Management System output, field inspections, geotechnical reports & other factors. On-going project additional single year approval only.	85,649	91,107	5,458
39980	Various Road Improvements	This program covers a variety of minor road maintenance activities and safety improvements (such as microsurfacing, partial paved shoulders, patching, crack sealing and guide rail). On-going project additional single year approval only.	18,942	21,517	2,575
83910	Road Asset Management	Creation of a Road Asset Management System combining technology and physical assets in order to index and maintain road assets. Additional year budget requirement was added.	1,700	2,100	400

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
84930	Automated Vehicle Location (AVL) System - Winter Maintenance	This project is for the installation of sustainable GPS units in winter maintenance vehicles.RFP now includes additional items such as, Micro sensors, Reporting capabilities for Traffic Safety, and Data storage.	320	470	150
84950	Drainage System Program	This project is for emergency work required to Drainage infrastructure. This work is typically not planned. On-going project additional single year approval only.	500	750	250
99910	Fleet Replacement	Purchase of replacement fleet units in the Regional Fleet replacement program to ensure a viable fleet. Vehicles to be purchased are as follows: 2011 - 36, 2012 - 28, 2013 - 19, 2014 - 23, 2015 - 34, 2016 - 23, 2017 - 19, 2018 - 21, 2019 - 23, 2020 - 24. On-going project additional single year approval only.	9,063	10,288	1,225
Sub Total Rehabilitation/Replacement					11,558

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
39920	Property Acquisition for Future Capital Projects	Property acquisition for future capital projects. On-going project additional single year approval only.	4,949	5,449	500
39950	Intersection Improvements Program	This program funds intersection improvement projects, such as permanent and temporary traffic signal installations, streetlighting installations and geometric improvements. On-going project additional single year approval only.	20,298	22,772	2,474
39970	Misc. Developer Credit	Developer credits for tax levy component of work undertaken by Developers and identified in the DC Bylaw. On-going project additional single year approval only.	12,800	13,400	600
39990	Traffic Control Signal & Electrical Improvements	This program provides traffic signal controllers, cabinets and associated electronics for new traffic signal installations within York Region. On-going project additional single year approval only.	9,538	10,288	750

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
80610	Bathurst St - King Rd to Wellington St	Widening Bathurst St from a 2 lane road to a 4 lane road with turning lanes at intersections. The work will include pavement widening, curbs, storm sewer, and traffic signals. The construction of a bridge over the CN crossing for northbound traffic. Additional cost for noise analysis, consultation, and addressing residents concerns.	14,267	15,397	1,130
80620	Bathurst St - Wellington St to Mullock Dr	Widening Bathurst St from a 2 lane road to a 4 lane road with additional turning lanes at major intersections. Sidewalk on the east side of Bathurst Street for the Town of Newmarket may be included in this project. Contract includes watermain from Aurora. Additional cost for noise analysis, consultation, and addressing residents concerns.	11,895	12,508	613

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
80660	Ninth Line - N of Major Mackenzie Dr to Stouffville Main St	This project was originally part of the Environmental Study Report (ESR) for 9th Line from Hwy 407 to Main Street. Widening from a 2 lane to a 4 lane road with turning lanes at intersections between the new Markham Bypass and Major Mackenzie Dr. From Major Mackenzie Dr. to the south end of the village of Stouffville will be a 2 lane road with ditches. In the village of Stouffville, there will be a 4 lane road with a continuous left turn lane. The work will include new pavement, curbs south of Major Mackenzie Dr., new trees, storm sewers, culverts, retaining walls, improved ditch drainage north of Major Mackenzie Drive, wider shoulders, watermain, sanitary sewers, traffic islands, traffic signals and street lighting along the road and at intersections. Property costs have increased and are based upon federal lands property appraisals. Construction costs have been updated based on 60% detailed design and revised unit costs.	18,675	21,995	3,320

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
80720	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Pre-Construction)	Construction of a four lane extension of Markham Bypass from Major Mackenzie Drive to Hwy 48. Includes new grade separation at the railway crossing on Markham Bypass. Does not include grade separation on Major Mackenzie Drive. This project is part of the Environmental Study completed by the Town of Markham in 1996, for Markham Bypass from Hwy 407 to Hwy 48 (Project # 96120). The advanced contract for pre-loading costs are much higher than previously anticipated. The revised costs are now based upon engineering estimates.	4,245	9,595	5,350
80880	York Greening Initiative-Land Securement	Greening strategy securement initiatives - education, stewardship, partnerships, monitoring, easements, acquisition, etc. On-going project additional single year approval only.	5,518	5,718	200
81510	Keele Street and 15th Sideroad	This project includes the installation of traffic control signals, partial illumination, construction of left and right turn lanes on Keele Street and left turn lanes on 15th Sideroad. The work will also include new pavement, curb and gutter, culverts and improved ditches. This work is subject to a Municipal Class Environmental Assessment Schedule 'B'. Tender for construction was higher than previously estimated.	3,406	3,842	436

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
81810	Hwy 50 - Hwy 7 to Rutherford	Road widening from 4 to 6 lanes. Includes 300m Rutherford Rd from CP Rail entrance to HWY 50	19,092	18,197	(895)
82740	Bayview Ave - 16th Ave to Major Mackenzie Dr (Class EA)	This project consists of road widening from 4 to 6 lanes as per "Towards Great Regional Streets". The work is subject to a Class Environmental Assessment addressing Bayview Avenue from John Street to Major Mackenzie Drive. Continuation of EA phase. The budget in the 10 year plan has not changed.	275	450	175
83020	King Rd - Hwy 27 to Hwy 400 (Class EA)	Potential road widening from 2 lanes to 4 lanes. This work is subject to a Class Environmental Assessment. Budget has been updated to reflect our recent expenditures on complicated EA's with significant consultation and environmental impacts.	500	1,040	540
83450	Major Mackenzie Dr - Hwy 50 to Canadian Pacific Railway (CPR) (Design/ Property)	Road widening from 2 to 6 lanes. Including realignment and jog elimination. This work is subject to a Class Environmental Assessment. The estimated design/property costs were previously based upon preliminary EA estimates. The revised cost increase reflects updated values based on the most current information based on the Western Vaughan IEA.	3,525	3,775	250

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
83850	Highway 50 and Albion-Vaughan Road/Mayfield (Pre-Construction)	This project is an intersection improvement which will include work on turning lanes and traffic control signals. Out year approval is now required to begin pre-construction phase of this project.	2,054	2,489	435
83870	Ninth Line and Elgin Mills Rd	This project is an intersection improvement at the intersection of Ninth Line and Elgin Mills Road. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. As the project progresses beyond the Class EA stage and well into the design stage, project cost estimates are updated to reflect updated details. This current project cost estimate is based on 60% detailed design engineering estimate.	7,427	7,627	200
83880	Ninth Line and Major Mackenzie Dr	This project is for the intersection improvements to eliminate the jog and provide additional turning lanes to improve capacity. As the project progresses beyond the Class EA stage and well into the design stage, project cost estimates are updated to reflect updated details. Specifically the structure widening and structure replacement crossing the Rouge River costs along with the corresponding environmental mitigation have increased. In addition the length of the jog elimination has also increased based on the final alignment.	10,775	14,675	3,900

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
83900	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd (Pre-Construction)	This project is a road widening project which is widening from 4 to 6 lanes. Budget identified last year in Construction Phase but moved to preconstruction Phase in 2011 budget cycle.	764	1,414	650
84120	Keele St - Hwy 7 to Langstaff Rd (Class EA)	This project is a road widening from 4 to 6 lanes with left and right turn lanes at intersections and a continuous centre left turn lane. This project will be subject to a Class Environmental Assessment addressing the Keele Street corridor from Steeles Ave w. to Rutherford Road. This budget is for the Class EA portion of the project.	400	450	50
84180	Leslie St - Wellington St to St. John's (Design/ Property)	This project is a road widening from 2 to 4 lanes. Out year approval required to begin the Design and property stage of this construction project.	380	1,745	1,365
84860	Bathurst St and Hwy 9 (Pre-Construction)	This project is an intersection improvement at the intersection of Bathurst Street and Highway 9. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals.	365	950	585

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
84890	Kennedy Rd - 14th Ave to Hwy 407 (Class EA)	Road widening from 4 to 6 lanes. The work included in this project will be the subject of the Class Environmental Assessment (Class EA) addressing Kennedy Road from Steeles Avenue to Highway No. 7.	780	895	115
85560	Rutherford Rd - Keele St to Dufferin St (Class EA)	This project is a road widening from 4 to 6 lanes. This budget was identified in the 2010 Capital program in the Construction phase project, but moved to Pre-construction phase in the 2011 budget cycle.	453	578	125
85570	Rutherford Rd - Jane St to Keele St (Class EA)	This project is a road widening from 4 to 6 lanes.	335	459	124
85580	Rutherford Rd - Dufferin St to Bathurst St (Class EA)	This project is a road widening from 4 to 6 lanes. This budget was identified in the 2010 Capital program in the Construction phase project, but moved to Pre-construction phase in the 2011 budget cycle.	433	500	67
85590	Carrville Rd - Bathurst St to Yonge St (Class EA)	This project is a road widening from 4 to 6 lanes. This budget was identified in the 2010 Capital program in the Construction phase project, but moved to Pre-construction phase in the 2011 budget cycle.	445	539	94

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
85660	Major Mackenzie Dr - Pine Valley Dr to Weston Rd (Design/Property)	Road widening from 2 to 4 lanes. This work is subject to a Class Environmental Assessment. This estimate reflects refinements to the estimates based upon the latest updates coming from the Class EA process.	100	1,220	1,120
85680	Major Mackenzie Dr - Jane St to Keele St (Class EA)	Road improvements for transit priority. This work is subject to a Class Environmental Assessment.	160	260	100
85690	Stouffville Rd - Warden Ave to Kennedy Rd	Road widening from 2 to 4 lanes. A Class Environmental Assessment Study will be initiated to evaluate potential roadway improvements. This additional budget is required for environmental monitoring. This monitoring is required for 5 years and is a condition of the Approved Ministry of Natural Resources Permits.	11,010	11,030	20
85700	Stouffville Rd - Kennedy Rd to McCowan Rd	Road widening from 2 lanes to 4 lanes. This work is subject to a Class Environmental Assessment (Class EA) as part of project # 97120. Updated construction costs based upon final detailed design.	12,845	12,960	115
85720	Jane St and Major Mackenzie Dr (Pre-Construction)	This project is an intersection improvement at the intersection of Jane Street and Major Mackenzie Drive. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals.	250	515	265

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
85740	Hwy 7 and Keele St (Class EA)	This project is an intersection improvement at the intersection of Highway 7 and Keele Street. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals.	100	157	57
85780	Ninth Line & Stouffville Rd Jog Elimination (Pre-Construction)	This project is an intersection improvement at the intersection of Ninth Line and Stouffville Road. The improvements will include jog elimination and may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. Planning EA included in 8066. Property costs were previously estimated on a per acre value. Updated cost estimates have been completed based upon property appraisals.	5,500	9,924	4,424
85790	Southeast Patrol Area Works Yard	Acquisition of property and construction of new structures for expansion works yard. The additional budget required for this project is for planning, design, and construction costs. These costs were identified in future years during the 2010 budget cycle, but only the 2010 Budget dollars were approved through the Multi year approvals process.	13,350	20,835	7,485
86770	Major Mackenzie Dr - Bathurst St to Keele St (Class EA)	This project is a road improvement for transit priority. The work is subject to a Class Environmental Assessment.	237	337	100

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
86810	York Durham Line - Hwy 407 to Hwy 7 (Pre-Construction)	This project is a road widening from 2 to 4 lanes. This budget was identified in the 2010 Capital program in the Construction phase project, but moved to Pre-construction phase in the 2011 budget cycle.	515	1,065	550
86900	Keele St at 17th Sdrd (Pre-Construction)	This project is an intersection improvement at the intersection of Keele St and 17th Sdrd. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. Out year approvals are now required to begin the Pre-construction stage of this project.	365	1,645	1,280
86910	Dufferin St and King/Vaughan Road (Pre-Construction)	This project is an intersection improvement at the intersection of Dufferin St and King/Vaughan Rd. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. EA cost increased for additional analysis of roundabout alternative. Detailed design previously included in Construction phase but now brought into the Pre construction project. Property costs increased as more property has been identified through the EA analysis.	278	1,403	1,125

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
86920	Keele St and King/Vaughan Road (Pre Construction)	This project is an intersection improvement at the intersection of Keele St and King/Vaughan Rd. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. Budget for detailed design and property was identified last year in Construction Phase but moved to preconstruction Phase in 2011 budget cycle. The cost of the detailed design assignment has been updated to reflect more current market values.	278	864	586
86930	Jane St and King/Vaughan Road (Pre Construction)	This project is an intersection improvement at the intersection of Jane St and King/Vaughan Rd. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. This budget was identified in the 2010 Capital program in the Construction phase project, but moved to Pre-construction phase in the 2011 budget cycle.	278	1,569	1,291
86940	Keele St and McNaughton Rd (Construction)	This project is an intersection improvement at the intersection of Keele St and McNaughton Rd. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. The cost increase for this project is for additional work requested by the City of Vaughan. This work includes a centre median, lay by parking, traffic signals and streetscaping.	1,355	3,355	2,000

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
91120	Metro Rd - Morton Ave to Old Homestead Rd (Class EA)	Project expected to involve reconstruction to provide single lane in each direction with continuous centre left turn lane. This work will be subject to a Class Environmental Assessment Study to be carried out in the future.	280	470	190
94200	Ninth Line - Hwy 407 to the Markham Bypass	Widening from a 2 lane road to a 4 lane road with turning lanes at intersections. The work will include new pavement, curbs, storm sewer, new trees and traffic signals. The project was originally the subject of the Environmental Study Report for 9th Line. The detailed design for the noise barrier is almost complete. The additional analysis has resulted in a requirement for deeper footings and a higher unit cost per meter for the noise fence. In addition addressing residents concerns specifically with respect to trees and vegetation have increased.	17,494	18,882	1,388
96020	Bathurst St - Green Lane West to Yonge St (Pre-Construction)	Upgrade road to regional standards, including 2 km of climbing lane. Detailed design fees are higher than previously anticipated.	4,066	4,686	620
96770	Keele St - Steeles Ave to Hwy 407 (Pre-Construction)	Widening from a 4 lane to a 6 lane road as per "Towards Great Regional Streets". This project will be subject of a Class Environmental Assessment addressing the Keele Street corridor from Steeles Ave W. to Rutherford Road.	1,653	1,349	(304)

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
97000	Bayview Ave - Hwy 407 to 16th Ave (Class EA)	The work included in this project is the subject of the Class Environmental Assessment Study addressing Bayview Avenue from John Street to Major Mackenzie Drive East. Road widening from 4 to 6 lanes as per TGRS (Towards Great Regional Streets Study). The work may include new pavement, curbs, new trees, storm sewers, culverts, traffic islands and signals at intersections. Sidewalks and street lighting, for the Town of Richmond Hill, may be included in this project.	1,118	1,508	390
97010	Bloomington Rd - Yonge St to Bayview Ave	Potential road widening from 2 to 4 lanes. This work will be the subject of a Class Environmental Assessment (Class EA) currently underway. Construction costs have been updated to reflect the latest engineering estimates and cost escalation from the latest 2009 construction contracts.	3,106	15,431	12,325
97080	Bloomington Rd - Bayview Ave to Hwy 404	Potential road widening from 2 to 4 lanes. This work will be the subject of a Class Environmental Assessment (Class EA) currently underway. Construction costs have been updated to reflect the latest cost escalation from the latest 2009 budget and the realignment of Bloomington Road east of Leslie Street, to reduce the long-term operations and maintenance costs and eliminate the need to close Bloomington Road during construction.	14,328	16,328	2,000

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
97100	St John's Sdrd - Bayview Ave to Woodbine Ave (Pre-Construction)	Reconstruct 2 paved lanes, including the repair of problem areas, flattening the grade of the road, improving the approaches to intersections and driveways. The work included in this project was approved under the Class Environmental Assessment Study ad. Design changes have been incorporated to include the extension of the Leslie Street connections by approximately 300m north and south of St. John's Sdrd.	2,202	2,687	485
97120	Stouffville Rd - Hwy 404 to Warden Ave	Potential road widening from 2 to 4 lanes. A Class Environmental Assessment Study will be initiated to evaluate potential roadway improvements. The limits of the Class Environmental Study will be extended to cover Stouffville Road from Warden Ave to Hwy 48. Updated construction costs based upon final detailed design.	17,791	18,801	1,010
98210	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scar. Link (Class EA)	Road improvements - possible widening of 14th Avenue from 2 to 4 lanes. This work is subject to a Class Environmental Assessment.	585	855	270

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
98340	19th Ave - Yonge St to Bayview Ave	This project provides for widening of 19th Ave. from Yonge St. to Bayview Ave., including environmental works at Bayview Ave. and Go Rail grade separation on 19th Ave. Expect Environmental works in 2010, road works in 2011, 2012. The detailed design assignment costs have increased for consultants, and the construction costs have been updated to include the construction of a GO Rail Grade separation.	12,381	14,815	2,434
98570	Langstaff Rd - Hwy 50 to Hwy 27	Potential road widening from 2 to 4 lanes. The Class EA is being coordinated through the York/Peel Boundary Area Transportation Study	16,008	15,008	(1,000)
98670	Warden Ave - 16th Ave to Major Mackenzie Dr	Potential road widening from 2 to 4 lanes. The work included in this project is the subject of the Class Environmental Assessment (Class EA) addressing Warden Avenue from Steeles Avenue to Major Mackenzie Drive East. Detailed design fees are higher than previously anticipated.	13,346	13,646	300

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
98680	Woodbine Ave - Major Mackenzie Dr to 19th Ave	Widening of Woodbine Avenue to a 4 lane urban cross section from Major Mackenzie to south of 19th Avenue with a bypass of Victoria Square. This project was previously budgeted for 2012/2013. In a previous year, budget cycle the outyear budget dollars were forecast to be spent in 2009. Therefore removed from the future year. However the money was not spent as expected and the timing of the budget was such that there was not opportunity to replace the budget dollars in the outyear forecast. Therefore the increase shown is based upon the latest bid prices for the construction of this contract.	14,208	22,008	7,800
98960	Kennedy Rd - Hwy 407 to Hwy 7 (Class EA)	Potential road widening from 4 to 6 lanes. The work included in this project will be the subject of the Class Environmental Assessment (Class EA) addressing Kennedy Road from Steeles Avenue to Highway 7. Out year approvals are now required to begin the Class EA portion of this project.	655	1,080	425
99210	Bayview Ave - Bloomington Rd to Wellington St (Class EA)	Potential road widening from 2 to 4 lanes. This work will be the subject of a Class Environmental Assessment (Class EA) to be carried out in the future. Out year approvals now required to begin the Class EA stage of this project.	616	1,216	600

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
99530	Bloomington Rd - Yonge St to Bathurst St	Potential road widening from 2 to 4 lanes. A Class Environmental Assessment (Class EA) is underway to identify required capacity to accommodate the increasing traffic volumes. Construction costs have been updated to reflect full reconstruction of Academy Drive intersection, widening the pavement to accommodate bike lanes, and cost escalation.	10,517	13,438	2,921
99550	McCowan Rd - Steeles Ave to 14th Ave (Class EA)	Road widening from 4 to 6 lanes. This work is subject to a Class Environmental assessment (Class EA). Out year approvals now required to begin the Class EA stage of this project.	640	1,290	650
99780	McCowan Rd - 14th Ave to Bullock Dr (Class EA)	Potential road widening from 4 to 6 lanes. This work is subject to a Class Environmental Assessment (Class EA). Out year approvals now required to begin the Class EA stage of this project.	70	910	840
99890	Intelligent Transportation Systems (ITS)	Implement of Intelligent Transportation Systems Strategic Plan. This project includes traveler information systems, traffic signal system replacement and advanced traffic management systems. On-going project additional single year approval only.	6,561	9,352	2,791

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
99900	Fleet New Additions	Purchase of additional fleet units as required due to growth and/or new initiatives. Vehicles to be purchased are as follows: 2007 - 19, 2008 - 12, 2009 - 12, 2010 - 8, 2011 - 14, 2012 - 11, 2013 - 12, 2014 - 10, 2015 - 14, 2016 - 15, 2007 - 7. On-going project additional single year approval only.	5,475	5,650	175
Sub Total Growth/Expansion					79,981
Enhancement/ Improvement					
82610	Regional Forest Property Upgrade	Capital upgrades to existing and new Regional Forest properties - parking facilities, access roads, lighting, fencing, signage, gates, and trails. On-going project additional single year approval only.	375	495	120
85830	Retrofit Noise Mitigation	This project is for the construction of noise attenuation fence. On-going project additional single year approval only.	300	350	50
Sub Total Enhancement/Improvement					170
Total Tangible Capital Assets					91,709

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
(in \$000's)					
Non-Tangible Capital Assets					
Rehabilitation/Replacement					
80570	Tree Planting on Region Rights of Way	Tree planting retrofit and infill consistent with retrofit existing tree planting in conjunction with the Regional Streetscaping Policy. On-going project additional single year approval only.	2,852	3,552	700
83920	Traffic Safety Program Improvements	This project is to conduct operational safety reviews at intersections and roadway segments that have been identified by Regional staff. Regional staff conducts network screening to identify sites with a potential for safety improvement. On-going project additional single year approval only.	525	625	100
97230	Pavement Management Study - System Maintenance	This program funds an annual survey of road conditions throughout the Regional network to identify and quantify pavement distress in 5 major categories. The survey results are used to assist in the development of the road resurfacing program. On-going project additional single year approval only.	1,251	1,401	150
99870	Various Railway Crossing Improvements	This is a program to rehabilitate the approaches to railway crossings, throughout the Region, in conjunction with work to be carried out by the railway companies. On-going project additional single year approval only.	2,706	3,556	850
Sub Total Rehabilitation/Replacement					1,800

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
39910	Misc. Design & Survey for Future Projects	Miscellaneous design and survey for future projects. On-going project additional single year approval only.	13,747	14,947	1,200
80430	Regional Streetscaping	York Region's Streetscape Program has been re-organized recently to include both Strategic Policy and Business Planning and Capital Delivery. The streetscape program ensures both policy direction and implementation on streetscape design and construction. On-going project additional single year approval only.	11,357	12,675	1,318

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
81360	Hwy 427 Arterial Extension to Zenway Blvd	Short term road network improvements as identified through the York/Peel Boundary Area Transportation Study. Includes extension of Hwy 427 (as a 4 lane arterial) from terminus at Hwy 7 north to Fogal Rd and Fogal Rd/Zenway Blvd connection across Hwy 427 corridor. Much of this work falls within the Huntington Business Park area (Blocks 57/58W) and within the future Hwy 427 extension corridor. Construction cost sharing and implementation will require an agreement between York Region, Peel Region and Developers Group. York Region costs shown are based on preliminary assumptions for construction cost and cost sharing. Additional budget required for investigation work to look into problems of pavement heaving.	9,190	9,247	57
83470	Mid York East-West Transportation Study (King Bypass)	Long term mid York inter-municipal travel needs study to be done in conjunction with provincial economic development corridor study. This project was estimated over a year ago, and given recent trends for the costs of completing studies by consultants the budget was increased to reflect inflation.	190	210	20

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
83480	Transportation Master Plan Update	The project is for the purpose of updating the Transportation Master Plan (TMP). The TMP defines the Region's long term transportation vision and plan in conjunction with our growth management initiative. On-going project additional single year approval only	450	1,250	800
83490	Smart Commute Initiative	Joint initiative to establish Transportation Management Associations (TMA) within the Greater Toronto Area and Hamilton. York Region is the host agency and administrator of this project. On-going project additional single year approval only.	1,400	1,600	200
83830	Ontarians with Disabilities Act (ODA) Compliance	Intersection improvements per the ODA including audible pedestrian signals, minor curb/sidewalk modifications and push button relocations. There have been additional locations identified for ODA compliance related work. This additional work will be completed in 2010 and 2011.	580	830	250
84940	Pedestrian and Cycling Program	This project is for the construction of work identified in the Pedestrian and Cycling Master Plan. On-going project additional single year approval only.	1,000	1,500	500
85800	Pedestrian and Cycling Master Plan	To develop a Regional-scale and comprehensive pedestrian and cycling master plan in consultation with local municipalities. On-going project additional single year approval only.	750	800	50

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
85810	Arterial Corridor Transportation Studies	Arterial Corridor/Functional Studies to identify critical intersection improvements and associated property requirements on road corridors prior to the full widening of a roadway facility. These studies will identify intersections to be added to the road. On-going project additional single year approval only.	1,000	1,250	250
86880	Pedestrian/ Cycling Municipal Partnership Program	Funding program to assist local municipalities and other agencies implement Regionally-significant pedestrian/cycling facilities. On-going project additional single year approval only.	1,000	1,500	500
Sub Total Growth/Expansion					5,145
Total Non-Tangible Capital Assets					6,945
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA					98,655

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
New Projects Introduced to 2011 TPBA					
Tangible Capital Assets					
80101A	King Road - Yonge Street to Bond Crescent (Design/Property)	This project is a reconstruction project. The existing roadway is a 4-lane urban road. This project is a reconstruction project. The existing roadway is a 4-lane urban road. This budget is for preconstruction work.	-	505	505
80108	Sign Inventory Management Program	Road signs in York Region are an asset that require monitoring, enhancing and maintenance. A Road Sign Management System will assist to ensure that road signs serve their intended functions effectively.	-	500	500
80109	York Regional Forest Head Quarters (Pre Construction)	To replace the existing, aging Regional Forest Headquarters building at the Hollidge Tract with a LEED certified building.	-	150	150
Sub Total Rehabilitation/Replacement					1,155

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
80104	Growth/ Expansion Keele Street and Lloydtown/ Aurora Rd (Class EA)	This project is an intersection improvement at the intersection of Keele St and Lloydtown/Aurora Rd. The improvements may include additional lanes for traffic movement through the intersection and new or modified traffic control signals. This project is needed to meet local growth, reduce traffic congestion, and improve operational efficiency and safety.	-	330	330
80107	Nobleton Area Ancillary Facility	This project is for the addition of a satellite works yard for winter maintenance. This works yard will improve response time for winter events.	-	300	300
80790	14th Ave - Reesor Rd to York Durham Line (Class EA)	Potential road widening from 2 to 4 lanes. This work is subject to a Class Environmental Assessment. To provide rehabilitation of existing pavement and provide additional capacity to accommodate growth.	-	320	320
81320A	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Class EA)	Potential road widening from 2 to 4 lanes. This work is subject to a Class Environmental Assessment. To provide rehabilitation of existing pavement and provides additional capacity to accommodate growth.	-	3,540	3,540
82730	Dufferin St - Major Mackenzie Dr to Teston Rd	Widen from 2 to 4 lanes. The existing 2 lane road is at currently at capacity during peak periods.	-	240	240

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
83890A	Hwy 50 - Rutherford to Major Mackenzie Dr (Class EA)	This project is a road widening project. The existing roadway will be widened from 4 lanes to 6 lanes. The need for this project has been confirmed through the York/Peel Boundary Area Transportation Study approved in August 2004 (Part 1 - Boundary Master Plan).	-	915	915
84190A	Leslie St - St John's Sdrd to Mulock Dr (Class EA)	This project is a road widening from 2 to 4 lanes. This project is required to provide additional capacity to accommodate growth.	-	1,195	1,195
84200A	Doane Road - Highway 404 to Yonge St (Class EA)	This project is for the re-alignment of Doane Road at the Hwy 404 Extension. This project may include connection ramps to Hwy 404. Doane Rd is a key east-west link between Holland Landing and Queensville. With the extension of Hwy 404 northerly, it is required to accommodate the growing traffic needs of future developments in East Gwillimbury as well as recent developments in Georgina	-	7,840	7,840
85110	Teston Road - Dufferin Street to Keele Street	This project is a road widening from 2 to 4 lanes. New request - EA phase	-	266	266

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2016
85650	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Design/Property)	Road widening from 2 to 4 lanes. Including realignment and jog elimination. This work is subject to a Class Environmental Assessment. To provide additional east-west capacity between Peel Region and York Region. The study will review the feasibility of the realignment/jog elimination at Major Mackenzie Drive and Hwy 27.	-	9,675	9,675
86820	York Durham Line - Hwy 7 to Main St Stouffville (Class EA)	This project is for the reconstruction of 2 lanes to current Region standards. This project is required to bring the road to appropriate Region condition standards as well as to provide the additional capacity.	-	1,125	1,125
97150A	Leslie St - Bethesda Sdrd to Bloomington Rd (Class EA)	Road reconstruction and geometric improvements to provide improved safety. Road widening not expected. Reconstruct road to 2 lane. Potential for new alignment at Haynes Lake. This work will be the subject of a Class Environmental Assessment Study to be carried out in the future. Anticipated outcome will provide for 2 lane road with improved geometrics and safety enhancements. Existing road has significant geometric deficiencies (steep hill, sharp bends). Project will increase safety and capacity.	-	3,660	3,660
Sub Total Growth/Expansion					29,406

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
Total Tangible Capital Assets					30,561
Non-Tangible Capital Assets					
80105	Pavement Markings Program	This project is for the installation of zebra pavement markings in pedestrian crosswalks at signalized intersections. Additional pavement markings to be installed under this project include pavement marking "sharrows" as described in the Council approved Pedestrian and Cycling Master Plan.	-	2,500	2,500
Sub Total Rehabilitation/Replacement					2,500

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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2016
			(in \$000's)		
85120	Growth/ Expansion Donald Cousens Parkway from Hwy 407 to Box Grove By- Pass	This project is for the construction of a new 4-lane urban collectors road, which includes turning lanes and signalized intersections as well as realignment of 14th Avenue.	-	15,000	15,000
Sub Total Growth/Expansion					15,000
Total Non-Tangible Capital Assets					17,500
TOTAL NEW PROJECTS INTRODUCED TO 2011 TPBA					48,061
TOTAL GROSS EXPENDITURES					146,716

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2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
39910	Misc. Design & Survey for Future Projects	1,200	120	-	-	1,080	-	-	-
39920	Property Acquisition for Future Capital Projects	500	150	-	-	350	-	-	-
39930	Bridge & Culvert Rehabilitation	1,500	1,500	-	-	-	-	-	-
39950	Intersection Improvements Program	2,474	247	-	-	2,227	-	-	-
39960	Various Road Resurfacing	5,458	5,458	-	-	-	-	-	-
39970	Misc. Developer Credit	600	600	-	-	-	-	-	-
39980	Various Road Improvements	2,575	2,575	-	-	-	-	-	-
39990	Traffic Control Signal & Electrical Improvements	750	75	-	-	675	-	-	-
80101A	King Road - Yonge Street to Bond Crescent (Design/Property)	505	505	-	-	-	-	-	-
80104	Keele Street and Lloydtown/Aurora Rd (Class EA)	330	32	-	-	298	-	-	-
80105	Pavement Marking Program	2,500	2,500	-	-	-	-	-	-
80107	Nobelton Area Ancillary Facility	300	300	-	-	-	-	-	-
80108	Sign Inventory Management Program	500	500	-	-	-	-	-	-
80109	York Regional Forest Head Quarters (Pre Construction)	150	150	-	-	-	-	-	-
80430	Regional Streetscaping	1,318	527	-	-	791	-	-	-
80570	Tree Planting on Region Rights of Way	700	700	-	-	-	-	-	-

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2011 New Total Project Budget Authority - Financing Sources



Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Lease Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
80610	Bathurst St - King Rd to Wellington St	1,130	113	-	-	1,017	-	-	-
80620	Bathurst St - Wellington St to Mulock Dr	613	61	-	-	552	-	-	-
80660	Ninth Line - N of Major Mackenzie Dr to Stouffville Main St	3,320	44	-	-	3,276	-	-	-
80720	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Pre-Construction)	5,350	535	-	-	4,815	-	-	-
80790	14th Ave - Reesor Rd to York Durham Line (Class EA)	320	32	-	-	288	-	-	-
80880	York Greening Initiative-Land Securement	200	-	200	-	-	-	-	-
81320A	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Class EA)	3,540	354	-	-	3,186	-	-	-
81360	Hwy 427 Arterial Extension to Zenway Blvd	57	6	-	-	51	-	-	-
81390	Bathurst St - North of Hwy 7 to Rutherford Rd (Pre-Construction)	-	(28)	-	-	28	-	-	-
81510	Keele St and 15th Sideroad	436	44	-	-	392	-	-	-
81810	Hwy 50 - Hwy 7 to Rutherford Rd	(895)	(287)	-	-	(608)	-	-	-
82610	Regional Forest Property Upgrade	120	120	-	-	-	-	-	-
82680	Hwy 404 Crossing north of Hwy 7 (Pre-Construction)	-	(2)	-	-	2	-	-	-
82730	Dufferin St - Major Mackenzie Dr to Teston Rd	240	24	-	-	216	-	-	-
82740	Bayview Ave - 16th Ave to Major Mackenzie Dr (Class EA)	175	17	-	-	158	-	-	-

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Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
82860	Bathurst St - Rutherford Rd to Major Mackenzie Dr (Pre-Construction)	-	(6)	-	-	6	-	-	-
83020	King Rd - Hwy 27 to Hwy 400 (Class EA)	540	54	-	-	486	-	-	-
83450	Major Mackenzie Dr - Hwy 50 to Canadian Pacific Railway (CPR) (Design/Property)	250	8	-	-	242	-	-	-
83470	Mid York East-West Transportation Study (King Bypass)	20	-	-	-	20	-	-	-
83480	Transportation Master Plan Update	800	-	-	-	800	-	-	-
83490	Smart Commute Initiative	200	200	-	-	-	-	-	-
83830	Ontarians with Disabilities Act (ODA) Compliance	250	250	-	-	-	-	-	-
83850	Highway 50 and Albion-Vaughan Road/Mayfield (Pre-Construction)	435	43	-	-	392	-	-	-
83870	Ninth Line and Elgin Mills Rd	200	(89)	-	-	289	-	-	-
83880	Ninth Line and Major Mackenzie Dr	3,900	306	-	-	3,594	-	-	-
83890	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	-	(1)	-	-	1	-	-	-
83890A	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	915	274	-	-	641	-	-	-
83900	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd (Pre-Construction)	650	195	-	-	455	-	-	-
83910	Road Asset Management	400	400	-	-	-	-	-	-

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Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
83920	Traffic Safety Program Improvements	100	100	-	-	-	-	-	-
84120	Keele St - Hwy 7 to Langstaff Rd (Class EA)	50	5	-	-	45	-	-	-
84180	Leslie St - Wellington St to St. John's (Design/Property)	1,365	136	-	-	1,229	-	-	-
84190A	Leslie St - St John's Sdrd to Mulock Dr (Class EA)	1,195	119	-	-	1,076	-	-	-
84200A	Doane Road - Highway 404 to Yonge St (Class EA)	7,840	783	-	-	7,057	-	-	-
84860	Bathurst St and Hwy 9 (Pre-Construction)	585	58	-	-	527	-	-	-
84890	Kennedy Rd - 14 th Ave to Hwy 407 (Class EA)	115	11	-	-	104	-	-	-
84930	Automated Vehicle Location (AVL) System - Winter Maintenance	150	150	-	-	-	-	-	-
84940	Pedestrian and Cycling Program	500	50	-	-	450	-	-	-
84950	Drainage System Program	250	250	-	-	-	-	-	-
85110	Teston Road - Dufferin Street to Keele Street (Class EA)	266	80	-	-	186	-	-	-
85120	Donald Cousens Parkway from Hwy 407 to Box Grove By-Pass	15,000	1,500	-	-	13,500	-	-	-
85560	Rutherford Rd - Keele St to Dufferin St (Class EA)	125	11	-	-	114	-	-	-
85570	Rutherford Rd - Jane St to Keele St (Class EA)	124	12	-	-	112	-	-	-
85580	Rutherford Rd - Dufferin St to Bathurst St (Class EA)	67	5	-	-	62	-	-	-

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Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
85590	Carrville Rd - Bathurst St to Yonge St (Class EA)	94	7	-	-	87	-	-	-
85620	2nd Concession - Green Lane to Doane Rd (Pre-Construction)	-	(133)	-	-	133	-	-	-
85650	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Design/Property)	9,675	2,901	-	-	6,774	-	-	-
85660	Major Mackenzie Dr - Pine Valley Dr to Weston Rd (Design/Property)	1,120	112	-	-	1,008	-	-	-
85680	Major Mackenzie Dr - Jane St to Keele St (Class EA)	100	10	-	-	90	-	-	-
85690	Stouffville Rd - Warden Ave to Kennedy Rd	20	2	-	-	18	-	-	-
85700	Stouffville Rd - Kennedy Rd to McCowan Rd	115	(89)	-	-	204	-	-	-
85710	Yonge St - Davis Dr to Green Lane (Pre-Construction)	-	(11)	-	-	11	-	-	-
85720	Jane St and Major Mackenzie Dr (Pre-Construction)	265	25	-	-	240	-	-	-
85740	Hwy 7 and Keele St (Class EA)	57	6	-	-	51	-	-	-
85780	Ninth Line & Stouffville Rd Jog Elimination (Pre-Construction)	4,424	439	-	-	3,985	-	-	-
85790	Southeast Patrol Area Works Yard	7,485	2,544	-	-	4,941	-	-	-
85800	Pedestrian and Cycling Master Plan	50	-	-	-	50	-	-	-
85810	Arterial Corridor Transportation Studies	250	-	-	-	250	-	-	-

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2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Lease Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
85830	Retrofit Noise Mitigation	50	50	-	-	-	-	-	-
86730	Highway 404 Interchange at Doane Road (Construction Phase 1)	-	(145)	-	-	145	-	-	-
86770	Major Mackenzie Dr - Bathurst St to Keele St (Class EA)	100	10	-	-	90	-	-	-
86810	York Durham Line - Hwy 407 to Hwy 7 (Pre-Construction)	550	55	-	-	495	-	-	-
86820	York Durham Line - Hwy 7 to Main St Stouffville (Class EA)	1,125	562	-	-	563	-	-	-
86880	Pedestrian/Cycling Municipal Partnership Program	500	500	-	-	-	-	-	-
86900	Keele St at 17th Sdrd (Pre-Construction)	1,280	127	-	-	1,153	-	-	-
86910	Dufferin St and King/Vaughan Road (Pre-Construction)	1,125	112	-	-	1,013	-	-	-
86920	Keele St and King/Vaughan Road (Pre-Construction)	586	59	-	-	527	-	-	-
86930	Jane St and King/Vaughan Road (Pre-Construction)	1,291	129	-	-	1,162	-	-	-
86940	Keele St and McNaughton Rd (Construction)	2,000	200	-	-	1,800	-	-	-
91120	Metro Rd - Morton Ave to Old Homestead Rd (Class EA)	190	95	-	-	95	-	-	-

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2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
94200	Ninth Line - Hwy 407 to the Markham Bypass	1,388	416	-	-	972	-	-	-
96020	Bathurst St - Green Lane West to Yonge St (Pre-Construction)	620	131	-	-	489	-	-	-
96700	Woodbine Ave - Ravenshoe Rd to Morton Ave	-	(208)	-	-	208	-	-	-
96770	Keele St - Steeles Ave to Hwy 407 (Pre-Construction)	(304)	(40)	-	-	(264)	-	-	-
97000	Bayview Ave - Hwy 407 to 16th Ave (Class EA)	390	39	-	-	351	-	-	-
97010	Bloomington Rd - Yonge St to Bayview Ave (Construction)	12,325	1,152	-	-	10,378	-	-	795
97080	Bloomington Rd - Bayview Ave to Hwy 404	2,000	(3)	-	-	2,003	-	-	-
97100	St John's Sdrd - Bayview Ave to Woodbine Ave (Pre-Construction)	485	236	-	-	249	-	-	-
97120	Stouffville Rd - Hwy 404 to Warden Ave	1,010	(72)	-	-	1,082	-	-	-
97150A	Leslie St - Bethesda Sdrd to Bloomington Rd (Class EA)	3,660	3,294	-	-	366	-	-	-
97230	Pavement Management Study - System Maintenance	150	150	-	-	-	-	-	-
98170	Hwy 7 - Rouge River to Verclaire Gate	-	(242)	-	-	242	-	-	-
98210	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Class EA)	270	26	-	-	244	-	-	-
98340	19th Ave - Yonge St to Bayview Ave	2,434	252	-	-	2,832	-	-	(650)
98570	Langstaff Rd - Hwy 50 to Hwy 27	(1,000)	(142)	-	-	(858)	-	-	-

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Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
98670	Warden Ave - 16th Ave to Major Mackenzie Dr	300	(257)	-	-	(893)	-	-	1,450
98680	*Woodbine Ave - Major Mackenzie Dr to 19th Ave	7,800	780	-	-	7,020	-	-	-
98700	Donald Cousens Parkway Extension to Morningside Ave (Pre-Construction)	-	(64)	-	-	64	-	-	-
98960	Kennedy Rd - Hwy 407 to Hwy 7 (Class EA)	425	42	-	-	383	-	-	-
99210	Bayview Ave - Bloomington Rd to Wellington St (Class EA)	600	60	-	-	540	-	-	-
99530	Bloomington Rd - Yonge St to Bathurst St	2,921	162	-	-	2,759	-	-	-
99540	Langstaff Rd - Dufferin St to Keele St (Class EA)	-	(8)	-	-	8	-	-	-
99550	McCowan Rd - Steeles Ave to 14th Ave (Class EA)	650	65	-	-	585	-	-	-
99780	McCowan Rd - 14th Ave to Bullock Dr (Class EA)	840	83	-	-	757	-	-	-
99870	Various Railway Crossing Improvements	850	850	-	-	-	-	-	-
99890	Intelligent Transportation Systems (ITS)	2,791	279	-	-	2,512	-	-	-
99900	Fleet New Additions	175	175	-	-	-	-	-	-
99910	Fleet Replacement	1,225	-	1,225	-	-	-	-	-
Total Tax Supported		146,716	36,599	1,425	-	107,097	-	-	1,595

TOTAL FINANCING SOURCES	146,716	36,599	1,425	-	107,097	-	-	1,595
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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Rehabilitation/Replacement															
39930	Bridge & Culvert Rehabilitation	4,595	1,100	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	-	20,695
39960	Various Road Resurfacing	74,649	11,000	5,458	8,967	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	-	196,074
39980	Various Road Improvements	16,367	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	-	44,692
80101A	King Road - Yonge Street to Bond Crescent (Design/Property)	-	-	505	-	-	-	-	-	-	-	-	-	-	505
80101B	King Road - Yonge Street to Bond Crescent (Construction)	-	-	-	2,175	2,640	-	-	-	-	-	-	-	-	4,815
80108	Sign Inventory Management Program	-	-	500	-	-	-	-	-	-	-	-	-	-	500
80109	York Regional Forest Head Quarters (Pre Construction)	-	-	50	100	-	-	-	-	-	-	-	-	-	150
80109A	York Regional Forest Head Quarters (Pre Construction)	-	-	-	-	850	-	-	-	-	-	-	-	-	850
83910	Road Asset Management	1,200	500	400	-	-	-	-	-	-	-	-	-	-	2,100
83940	Teston Rd - East of Pine Valley Dr (Pre-Construction)	2,480	810	-	1,229	-	-	-	-	-	-	-	-	-	4,519
84930	Automated Vehicle Location (AVL) System - Winter Maintenance	210	110	150	-	-	-	-	-	-	-	-	-	-	470
84950	Drainage System Program	250	250	250	250	250	250	250	250	250	250	250	250	-	3,000
99910	Fleet Replacement	7,838	1,225	1,225	1,255	925	1,105	1,575	1,575	1,575	1,575	1,575	1,575	-	23,023
Sub Total	Rehabilitation/Replacement	107,589	17,570	12,613	18,051	20,740	17,430	17,900	17,900	17,900	17,900	17,900	17,900	-	301,393
Growth/Expansion															
39920	Property Acquisition for Future Capital Projects	4,449	500	500	500	500	500	500	500	500	500	500	500	-	9,949
39950	Intersection Improvements Program	17,849	2,449	2,474	2,474	2,474	2,474	2,474	2,474	2,474	2,474	2,474	2,474	-	45,038



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project	
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
39970	Misc. Developer Credit	12,200	600	600	600	600	600	600	600	600	600	600	600	600	600	18,800
39990	Traffic Control Signal & Electrical Improvements	8,788	750	750	750	750	750	750	750	750	750	750	750	750	750	17,038
80102	15th Sideroad from Keele St to Bathurst St	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,430
80103	18th Sideroad from Dufferin St to Bathurst St	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,115
80104	Keele Street and Loydtown/Aurora Rd (Class EA)	-	165	-	-	-	-	-	-	-	-	-	-	-	-	330
80104B	Keele Street and Loydtown/Aurora Rd (Class EA)	-	-	-	-	100	-	100	1,100	1,200	-	-	-	-	-	2,400
80107	Nobelton Area Ancillary Facility	-	100	-	-	-	-	-	-	-	-	-	-	-	-	300
80107A	Nobelton Area Ancillary Facility	-	-	-	-	-	-	-	-	-	-	250	-	-	-	800
80610	Bathurst St - King Rd to Wellington St	14,117	150	-	-	-	-	-	-	-	-	-	-	-	-	15,397
80620	Bathurst St - Wellington St to Mulock Dr	11,895	-	-	-	-	-	-	-	-	-	-	-	-	-	12,508
80660	Ninth Line - N of Major Mackenzie Dr to Stouffville Main St	1,230	3,065	8,570	6,335	2,795	-	-	-	-	-	-	-	-	-	21,995
80671	Bayview Ave - 19th Ave to Stouffville Rd (Construction)	-	-	-	-	-	300	1,152	3,200	-	-	-	-	-	-	4,652
80681	Bayview Ave - Elgin Mills Rd to 19th Ave (Construction)	-	-	-	-	-	403	5,700	1,852	-	-	-	-	-	-	11,610
80720	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Pre-Construction)	2,955	1,290	5,350	-	-	-	-	-	-	-	-	-	-	-	9,595
80721	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Construction)	-	-	-	-	-	-	-	5,510	2,120	-	-	-	-	-	7,630
80790	14th Ave - Reesor Rd to York Durham Line (Class EA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320
80790A	14th Ave - Reesor Rd to York Durham Line (Class EA)	-	-	-	-	-	-	-	1,270	2,270	-	-	-	-	-	3,540
80791	14th Ave - Reesor Rd to York Durham Line (Construction)	-	-	-	-	-	-	-	-	350	4,790	-	-	-	-	5,140



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project			
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020					
80880	York Greening Initiative-Land Securement	4,518	1,000	200	1,000	200	1,000	200	1,000	200	1,000	200	1,000	200	1,000	200	1,000	11,518
81320A	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Class EA)	-	-	1,020	1,260	1,260	-	-	-	-	-	-	-	-	-	-	-	3,540
81321	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Construction)	-	-	-	-	-	5,365	10,730	10,730	12,875	-	-	-	-	-	-	-	39,700
81330	Pine Valley - Rutherford Rd to Major Mackenzie Dr	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,791	6,181
81350	Jane St - Steeles Ave to Hwy 7	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16,878	17,098
81390	Bathurst St - North of Hwy 7 to Rutherford Rd (Pre-Construction)	483	496	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,372
81391	Bathurst St - North of Hwy 7 to Rutherford Rd (Construction)	-	-	-	1,140	8,452	2,280	-	-	-	-	-	-	-	-	-	-	11,872
81400	Major Mackenzie Dr - Leslie St to Woodbine Ave	315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19,698	20,013
81410	Leslie St - Hwy 7 to Hwy 407	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,195	3,195
81420	Bayview Ave - Hwy 7 to John St	230	-	-	-	-	-	-	-	-	-	610	-	-	-	-	-	28,575
81480	Weston Rd - Steeles Ave to Hwy 7	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,160	8,370
81510	Keele St and 15th Sideroad	2,625	781	436	-	-	-	-	-	-	-	-	-	-	-	-	-	3,842
81810	Hwy 50 - Hwy 7 to Rutherford Rd	3,302	5,920	2,155	3,610	3,210	-	-	-	-	-	-	-	-	-	-	-	18,197
82700	16th Ave - Woodbine Ave to Warden Ave	320	-	-	-	-	-	110	1,013	1,895	8,767	5,039	-	-	-	-	-	17,144
82730	Dufferin St - Major Mackenzie Dr to Teston Rd	-	-	240	120	-	-	-	-	-	-	-	-	-	-	-	-	360
82730A	Dufferin St - Major Mackenzie Dr to Teston Rd	-	-	-	-	-	-	290	275	-	-	-	-	-	-	-	-	565
82731	Dufferin St - Major Mackenzie Dr to Teston Rd (Construction)	-	-	-	-	-	-	-	200	4,245	4,245	-	-	-	-	-	-	8,690
82740	Bayview Ave - 16th Ave to Major Mackenzie Dr (Class EA)	275	-	100	75	-	-	-	-	-	-	-	-	-	-	-	-	450
82740A	Bayview Ave - 16th Ave to Major Mackenzie Dr (Class EA)	-	-	-	-	-	-	274	420	-	-	-	-	-	-	-	-	694
82741	Bayview Ave - 16th Ave to Major Mackenzie Dr (Construction)	-	-	-	-	-	-	-	-	1,032	2,553	2,520	-	-	-	-	-	6,105



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
82860	Bathurst St - Rutherford Rd to Major Mackenzie Dr (Pre-Construction)	642	342	310	-	-	-	-	-	-	-	-	-	-	1,294
82861	Bathurst St - Rutherford Rd to Major Mackenzie Dr (Construction)	-	-	-	1,213	1,935	8,310	-	-	-	-	-	-	-	11,458
83020	King Rd - Hwy 27 to Hwy 400 (Class EA)	-	500	40	500	-	-	-	-	-	-	-	-	-	1,040
83020A	King Rd - Hwy 27 to Hwy 400 (Class EA)	-	-	-	54	5,727	641	-	-	-	-	-	-	-	6,422
83021	King Rd - Hwy 27 to Hwy 400 (Construction)	-	-	-	-	-	-	13,239	12,136	-	-	-	-	-	25,375
83340	Bathurst St - Centre St to Hwy 407	65	-	-	-	-	-	-	-	-	-	-	-	4,545	4,610
83360	Leslie St - Hwy 7 to 16th Ave	-	-	-	180	390	380	500	1,940	4,527	4,800	-	-	-	12,717
83370	Leslie St - 16th Ave to Major Mackenzie Dr	-	-	-	180	390	390	500	3,150	9,050	-	-	-	-	13,660
83380	Markham Rd - Steeles Ave to Hwy 407 incl. Grade Sep.	-	-	-	-	-	-	-	-	-	-	-	-	11,175	11,175
83390	16th Ave - Warden Ave to Kennedy Rd	680	-	-	-	-	-	-	450	2,255	4,280	8,649	2,000	-	18,314
83450	Major Mackenzie Dr - Hwy 50 to Canadian Pacific Railway (CPR) (Design/Property)	-	220	250	280	3,025	-	-	-	-	-	-	-	-	3,775
83451	Major Mackenzie Dr - Hwy 50 to CPR (Construction)	165	-	-	-	-	-	-	8,370	9,370	-	-	-	-	17,905
83850	Highway 50 and Albion-Vaughan Road/Mayfield (Pre-Construction)	2,054	-	55	140	140	100	-	-	-	-	-	-	-	2,489
83851	Highway 50 and Albion-Vaughan Road/Mayfield (Construction)	-	-	-	-	-	-	3,015	1,005	-	-	-	-	-	4,020
83870	Ninth Line and Elgin Mills Rd	892	1,095	1,200	4,440	-	-	-	-	-	-	-	-	-	7,627
83880	Ninth Line and Major Mackenzie Dr	6,575	-	4,200	3,900	-	-	-	-	-	-	-	-	-	14,675
83890	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	420	-	36	-	-	-	-	-	-	-	-	-	-	456
83890A	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	-	-	915	-	200	300	-	-	-	-	-	-	-	1,415



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				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
83891	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Construction)	-	-	-	-	-	-	-	-	-	-	7,220	-	-	-	7,220
83900	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd	764	-	-	-	-	-	-	-	-	-	-	-	-	-	1,414
83901	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd (Pre-Construction)	-	-	-	-	562	-	-	-	-	4,434	-	-	-	-	4,996
83941	Teston Rd - East of Pine Valley Dr (Construction)	-	-	2,525	3,655	-	-	-	-	-	-	-	-	-	-	6,180
84120	Keele St - Hwy 7 to Langstaff Rd (Class EA)	400	-	-	-	-	-	-	-	-	-	-	-	-	-	450
84120A	Keele St - Hwy 7 to Langstaff Rd (Class EA)	-	-	-	-	135	-	-	-	533	-	-	-	-	-	668
84121	Keele St - Hwy 7 to Langstaff Rd (Construction)	-	-	-	-	-	-	-	-	1,052	3,285	3,285	3,285	3,986	-	11,608
84150	Bathurst St - Major Mackenzie Dr to Elgin Mills (Design/Property)	-	-	293	-	680	-	-	-	-	-	-	-	-	-	1,343
84151	Bathurst St - Major Mackenzie Dr to Elgin Mills (Construction)	-	-	-	-	-	-	-	-	495	2,865	10,617	-	-	-	13,977
84170	16th Ave - Kennedy Rd to McCowan Rd	300	-	-	-	-	-	-	-	-	-	-	-	-	16,442	16,742
84180	Leslie St - Wellington St to St. John's (Design/Property)	380	-	942	40	-	-	-	-	-	-	-	-	-	-	1,745
84181	Leslie St - Wellington St to St. John's (Construction)	-	-	-	690	3,395	3,695	-	-	-	-	-	-	-	-	7,780
84190A	Leslie St - St John's Sdrd to Mulock Dr (Class EA)	-	-	812	-	-	-	-	-	-	-	-	-	-	-	1,195
84191	Leslie St - St John's Sdrd to Mulock Dr (Construction)	-	-	-	780	3,400	5,102	-	-	-	-	-	-	-	-	9,282
84200A	Doane Road - Highway 404 to Yonge St (Class EA)	-	-	3,000	3,750	-	-	-	-	-	-	-	-	-	-	7,840
84201	Doane Road - Highway 404 to Yonge St (Construction)	-	-	-	800	1,380	8,843	8,843	-	-	-	-	-	-	-	19,866
84860	Bathurst St and Hwy 9 (Pre-Construction)	365	-	-	-	-	-	-	-	-	-	-	-	-	-	950



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				2011	2012	2013	2014	2015	2016	2017	2018			2019	2020
84861	Bathurst St and Hwy 9 (Construction)	-	-	278	680	2,355	-	-	-	-	-	-	-	-	3,313
84890	Kennedy Rd - 14 th Ave to Hwy 407 (Class EA)	780	-	115	-	-	-	-	-	-	-	-	-	-	895
84890A	Kennedy Rd - 14 th Ave to Hwy 407 (Class EA)	-	-	-	-	250	561	810	80	-	-	-	-	-	1,701
84891	Kennedy Rd - 14 th Ave to Hwy 407 (Construction)	-	-	-	-	-	-	-	-	-	-	-	7,162	-	7,162
85110	Teston Road - Dufferin Street to Keele Street (Class EA)	-	266	-	-	-	-	-	-	-	-	-	-	-	266
85110A	Teston Road - Dufferin Street to Keele Street (Class EA)	-	-	-	-	-	250	2,400	-	-	-	-	-	-	2,900
85111	Teston Rd from Dufferin St to Keele St (Construction)	-	-	-	-	-	-	620	4,700	5,200	-	-	-	-	10,520
85560	Rutherford Rd - Keele St to Dufferin St (Class EA)	370	-	208	-	-	-	-	-	-	-	-	-	-	578
85560A	Rutherford Rd - Keele St to Dufferin St (Class EA)	-	-	495	880	45	-	-	-	-	-	-	-	-	1,420
85561	Rutherford Rd - Keele St to Dufferin St (Construction)	-	-	-	100	3,840	9,860	10,040	-	-	-	-	-	-	23,840
85570	Rutherford Rd - Jane St to Keele St (Class EA)	335	-	124	-	-	-	-	-	-	-	-	-	-	459
85570A	Rutherford Rd - Jane St to Keele St (Class EA)	-	-	330	485	10	-	-	-	-	-	-	-	-	825
85571	Rutherford Rd - Jane St to Keele St (Construction)	-	-	-	2,130	8,575	3,025	-	-	-	-	-	-	-	13,730
85580	Rutherford Rd - Dufferin St to Bathurst St (Class EA)	345	8	147	-	-	-	-	-	-	-	-	-	-	500
85580A	Rutherford Rd - Dufferin St to Bathurst St (Class EA)	-	-	220	280	465	25	-	-	-	-	-	-	-	990
85581	Rutherford Rd - Dufferin St to Bathurst St (Construction)	-	-	-	-	-	-	1,730	9,655	3,240	-	-	-	-	14,625
85590	Carrville Rd - Bathurst St to Yonge St (Class EA)	265	90	184	-	-	-	-	-	-	-	-	-	-	539
85590A	Carrville Rd - Bathurst St to Yonge St (Class EA)	-	-	255	195	220	40	-	-	-	-	-	-	-	710



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				2011	2012	2013	2014	2015	2016	2017			2018
85591	Cairville Rd - Bathurst St to Yonge St (Construction)	-	-	-	-	-	1,270	7,080	2,355	-	-	-	10,705
85600	16th Ave - Yonge St to Bayview Ave	300	-	-	470	7,124	9,359	-	-	-	-	-	17,253
85610	16th Ave - Leslie St to Hwy 404	563	-	-	200	1,906	4,592	-	-	-	-	-	7,261
85620	2nd Concession - Green Lane to Doane Rd (Pre-Construction)	700	720	4,500	-	-	-	-	-	-	-	-	8,070
85621	2nd Concession - Green Lane to Doane Rd (Construction)	-	-	1,000	10,700	12,750	12,250	-	-	-	-	-	36,700
85630	Keele St - Langstaff Rd to Rutherford Rd	-	-	-	-	134	1,440	3,230	2,780	2,199	-	-	9,783
85650	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Design/Property)	-	-	5,425	2,700	-	-	-	-	-	-	-	9,675
85651	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Construction)	-	-	-	2,298	10,880	13,050	6,525	-	-	-	-	32,753
85660	Major Mackenzie Dr - Pine Valley Dr to Weston Rd	100	-	-	-	-	-	-	-	-	-	-	1,220
85661	Major Mackenzie Dr - Pine Valley Dr to Weston Rd (Construction)	-	-	4,825	5,125	-	-	-	-	-	-	-	10,050
85670	Major Mackenzie Dr - Hwy 400 to Jane St	95	-	245	2,260	-	-	-	-	-	-	3,847	6,592
85680	Major Mackenzie Dr - Jane St to Keele St (Class EA)	160	-	-	-	-	-	-	-	-	-	-	260
85680A	Major Mackenzie Dr - Jane St to Keele St (Class EA)	-	-	-	100	200	-	-	-	-	-	-	300
85681	Major Mackenzie Dr - Jane St to Keele St (Construction)	-	-	-	-	100	2,160	-	-	-	-	8,408	10,668
85690	Stouffville Rd - Warden Ave to Kennedy Rd	3,680	7,330	-	-	-	-	-	-	-	-	-	11,030
85700	Stouffville Rd - Kennedy Rd to McCowan Rd	5,995	1,850	-	-	-	-	-	-	-	-	-	12,960
85710	Yonge St - Davis Dr to Green Lane (Pre-Construction)	585	1,245	-	-	-	-	-	-	-	-	-	2,390



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														(in \$000's)	
85711	Yonge St - Davis Dr to Green Lane (Construction)	-	-	-	3,428	8,748	1,538	-	-	-	-	6,150	-	-	19,864
85720	Jane St and Major Mackenzie Dr (Pre-Construction)	250	-	55	55	105	50	-	-	-	-	-	-	-	515
85721	Jane St and Major Mackenzie Dr (Construction)	-	-	-	-	-	-	-	-	-	-	-	-	1,905	1,905
85730	Jane St and Rutherford Rd (Pre-Construction)	400	-	-	110	110	-	-	-	-	-	-	-	-	620
85731	Jane St and Rutherford Rd (Construction)	-	-	-	-	-	645	1,280	-	-	-	-	-	-	1,925
85740	Hwy 7 and Keele St (Class EA)	100	-	57	-	-	-	-	-	-	-	-	-	-	157
85740A	Hwy 7 and Keele St (Class EA)	-	-	-	712	-	-	-	-	-	-	-	-	-	712
85741	Hwy 7 and Keele St (Construction)	-	-	-	-	330	-	4,695	-	-	-	-	-	-	5,025
85750	Leslie St and Hwy 7	100	-	-	-	-	-	1,090	3,390	-	-	-	-	-	4,580
85760	Leslie St and 16th Ave	115	-	-	-	-	1,036	3,590	-	-	-	-	-	-	4,741
85770	Major Mackenzie Dr and Leslie St	100	-	-	-	-	-	-	-	-	-	-	-	4,093	4,193
85780	Ninth Line & Stouffville Rd Jog Elimination (Pre-Construction)	2,770	2,580	4,574	-	-	-	-	-	-	-	-	-	-	9,924
85781	Ninth Line & Stouffville Rd Jog Elimination (Construction)	-	-	-	180	2,375	2,050	-	-	-	-	-	-	-	4,605
85790	Southeast Patrol Area Works Yard	3,300	10,050	310	275	400	2,550	2,950	1,000	-	-	-	-	-	20,835
86750	Hwy 7 / Hwy 404 Transit Supportive Improvements	500	-	-	-	-	-	-	-	-	-	-	-	30,200	30,700
86760	Hwy 7 / Vaughan Area Transit Supportive Improvements	500	-	-	-	-	-	-	-	-	-	-	-	30,200	30,700
86770	Major Mackenzie Dr - Bathurst St to Keele St (Class EA)	237	-	100	-	-	-	-	-	-	-	-	-	-	337
86770A	Major Mackenzie Dr - Bathurst St to Keele St (Class EA)	-	-	-	-	-	-	-	100	200	-	-	-	-	300
86771	Major Mackenzie Dr - Bathurst St to Keele St (Construction)	-	-	-	-	-	-	-	-	200	2,160	2,160	13,087	-	17,607
86790	Queensville Sdrd from Bathurst St to Leslie St	-	-	-	-	-	-	-	-	-	-	-	-	28,121	28,121



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				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
86800A	Queensville Sdrd - Leslie St to Woodbine Ave (Class EA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,150
86801	Queensville Sdrd - Leslie St to Woodbine Ave (Construction)	-	-	681	1,223	-	-	-	-	-	-	-	-	-	-	1,904
86810	York Durham Line - Hwy 407 to Hwy 7 (Pre-Construction)	-	515	550	-	-	-	-	-	-	-	-	-	-	-	1,065
86811	York Durham Line - Hwy 407 to Hwy 7 (Construction)	-	-	150	5,110	7,110	-	-	-	-	-	-	-	-	-	12,370
86820	York Durham Line - Hwy 7 to Main St Stouffville (Class EA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,125
86820A	York Durham Line - Hwy 7 to Main St Stouffville (Class EA)	-	-	-	-	-	400	-	-	-	-	-	-	-	-	792
86821	York Durham Line - Hwy 7 to Main St Stouffville (Construction)	-	-	-	-	-	433	433	2,344	14,219	-	-	-	-	-	17,429
86830	York Durham Line - Bloomington to Main St Stouffville (Pre-Construction)	-	-	-	70	423	286	1,248	2,300	-	-	-	-	-	-	4,327
86831	York Durham Line - Bloomington to Main St Stouffville (Construction)	-	-	-	-	-	-	3,539	7,458	-	-	-	-	-	-	10,997
86861	16th Avenue and Reesor Road Jog Elimination (Construction)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,778
86900	Keele St at 17th Sdrd (Pre-Construction)	365	-	230	340	300	-	-	-	-	-	-	-	-	-	1,645
86901	Keele St at 17th Sdrd (Construction)	-	-	-	-	280	2,360	-	-	-	-	-	-	-	-	2,640
86910	Dufferin St and King/Vaughan Road (Pre-Construction)	265	13	-	-	-	-	-	-	-	-	-	-	-	-	1,403
86911	Dufferin St and King/Vaughan Road (Construction)	-	-	-	-	63	1,935	-	-	-	-	-	-	-	-	1,998
86920	Keele St and King/Vaughan Road (Pre-Construction)	265	13	-	-	-	-	-	-	-	-	-	-	-	-	864
86921	Keele St and King/Vaughan Road (Construction)	-	-	-	-	420	2,500	-	-	-	-	-	-	-	-	2,920
86930	Jane St and King/Vaughan Road (Pre-Construction)	265	13	500	-	-	-	-	-	-	-	-	-	-	-	1,569



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86931	Jane St and King/Vaughan Road (Construction)	-	-	-	100	3,721	-	-	-	-	-	-	-	-	-	3,821
86940	Keele St and McNaughton Rd (Construction)	1,355	-	-	-	-	-	-	-	-	-	-	-	-	-	3,355
91120	Metro Rd - Morton Ave to Old Homestead Rd (Class EA)	280	-	-	-	-	-	-	-	-	-	-	-	-	-	470
91120A	Metro Rd - Morton Ave to Old Homestead Rd (Class EA)	-	-	-	-	539	277	-	-	-	-	-	-	-	-	816
91121	Metro Rd - Morton Ave to Old Homestead Rd (Construction)	-	-	-	-	701	-	4,372	3,270	-	-	-	-	-	-	8,343
93230	Jane St - Rutherford Rd to Major Mackenzie Dr	4,360	-	-	-	-	-	-	-	-	-	-	-	6,645	-	11,005
94200	Ninth Line - Hwy 407 to the Markham Bypass	16,198	1,296	-	-	-	-	-	-	-	-	-	-	-	-	18,882
96020	Bathurst St - Green Lane West to Yonge St (Pre-Construction)	1,336	-	2,050	1,300	-	-	-	-	-	-	-	-	-	-	4,686
96021	Bathurst St - Green Lane West to Yonge St (Construction)	-	-	-	2,753	10,447	9,234	-	-	-	-	-	-	-	-	22,434
96700	Woodbine Ave - Ravenshoe Rd to Morton Ave	6,555	8,575	6,148	4,225	-	-	-	-	-	-	-	-	-	-	25,503
96770	Keele St - Steeles Ave to Hwy 407 (Pre-Construction)	924	254	71	100	-	-	-	-	-	-	-	-	-	-	1,349
96771	Keele St - Steeles Ave to Hwy 407 (Construction)	-	-	-	-	6,309	3,611	-	-	-	-	-	-	-	-	9,920
97000	Bayview Ave - Hwy 407 to 16th Ave (Class EA)	1,118	-	110	280	-	-	-	-	-	-	-	-	-	-	1,508
97000A	Bayview Ave - Hwy 407 to 16th Ave (Class EA)	-	-	-	-	110	337	-	-	-	-	-	-	-	-	447
97001	Bayview Ave - Hwy 407 to 16th Ave (Construction)	-	-	-	-	856	8,697	-	-	-	-	-	-	-	-	9,553
97010	Bloomington Rd - Yonge St to Bayview Ave (Construction)	3,106	-	1,425	9,100	1,800	-	-	-	-	-	-	-	-	-	15,431
97080	Bloomington Rd - Bayview Ave to Hwy 404	2,155	2,083	8,250	2,075	1,765	-	-	-	-	-	-	-	-	-	16,328
97100	St John's Sdrd - Bayview Ave to Woodbine Ave (Pre-Construction)	935	697	1,055	-	-	-	-	-	-	-	-	-	-	-	2,687



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														(in \$000's)	
97101	St John's Sdrd - Bayview Ave to Woodbine Ave (Construction)	-	-	-	-	765	6,887	7,688	-	-	-	-	-	-	15,340
97120	Stouffville Rd - Hwy 404 to Warden Ave	4,179	4,977	6,065	3,580	-	-	-	-	-	-	-	-	-	18,801
97150A	Leslie St - Bethesda Sdrd to Bloomington Rd (Class EA)	-	-	200	3,460	-	-	-	-	-	-	-	-	-	3,660
97151	Leslie St - Bethesda Sdrd to Bloomington Rd (Construction)	-	-	-	-	-	-	-	-	100	5,418	2,015	-	-	7,533
98170	Hwy 7 - Rouge River to Verdlaire Gate	3,830	1,055	2,575	9,485	-	-	-	-	-	-	-	-	-	16,945
98181	Hwy 7 - Verdlaire Gate to Sciberras Rd (Construction)	-	-	-	-	3,098	2,040	-	-	-	-	-	-	-	5,138
98210	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Class EA)	585	-	135	135	-	-	-	-	-	-	-	-	-	855
98210A	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Class EA)	-	-	-	-	55	1,205	1,260	-	-	-	-	-	-	2,520
98211	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Construction)	-	-	-	-	-	-	200	3,135	1,635	-	-	-	-	4,970
98320	Leslie St - Green Lane to Mount Albert Rd	221	-	-	-	-	-	-	350	150	173	1,512	-	7,781	10,187
98340	19th Ave - Yonge St to Bayview Ave	8,825	-	-	5,990	-	-	-	-	-	-	-	-	-	14,815
98570	Langstaff Rd - Hwy 50 to Hwy 27	8,988	4,935	1,085	-	-	-	-	-	-	-	-	-	-	15,008
98650	Major Mackenzie Dr - Donald Cousen's Parkway to 9th Line	436	-	-	-	-	-	830	2,990	-	-	-	-	-	4,256
98670	Warden Ave - 16th Ave to Major Mackenzie Dr	1,486	4,740	6,420	1,000	-	-	-	-	-	-	-	-	-	13,646
98680	*Woodbine Ave - Major Mackenzie Dr to 19th Ave	8,158	6,050	7,800	-	-	-	-	-	-	-	-	-	-	22,008
98690	Bayview Ave - Stouffville Rd to Bloomington Rd	-	-	-	523	-	-	-	170	221	-	-	-	-	914
98691	Bayview Ave - Stouffville Rd to Bloomington Rd (Construction)	-	-	-	-	-	-	-	-	1,259	4,450	-	-	-	5,709



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				2011	2012	2013	2014	2015	2016	2017			2018	2019	2020	
98700	Donald Cousens Parkway Extension to Morningside Ave (Pre-Construction)	1,116	57	100	1,573	1,473	-	-	-	-	-	-	-	-	4,319	
98701	Donald Cousens Parkway Extension to Morningside Ave (Construction)	-	-	-	-	172	4,862	7,602	-	-	-	-	-	-	-	12,636
98960	Kennedy Rd - Hwy 407 to Hwy 7 (Class EA)	655	-	175	-	250	-	-	-	-	-	-	-	-	1,080	
98960A	Kennedy Rd - Hwy 407 to Hwy 7 (Class EA)	-	-	-	-	-	497	660	105	-	-	-	-	-	1,262	
98961	Kennedy Rd - Hwy 407 to Hwy 7	-	-	-	-	-	-	-	-	-	-	-	-	-	14,300	
99180	16th Ave - Bayview Ave to Leslie St	593	-	-	-	-	-	593	2,128	8,085	2,150	-	-	-	13,549	
99210	Bayview Ave - Bloomington Rd to Wellington St (Class EA)	616	-	300	300	-	-	-	-	-	-	-	-	-	1,216	
99210A	Bayview Ave - Bloomington Rd to Wellington St (Class EA)	-	-	-	-	-	250	350	610	-	-	-	-	-	1,210	
99211	Bayview Ave - Bloomington Rd to Wellington St (Construction)	-	-	-	-	-	-	-	-	200	4,640	4,265	-	-	9,105	
99220	Leslie St/Don Mills Rd - Steeles Ave to Hwy 407	783	-	-	-	-	-	-	-	-	-	-	-	5,710	6,493	
99240	Kennedy Rd - Steeles Ave to Denison St	670	-	-	-	250	-	-	-	-	380	430	-	-	14,480	
99510	16th Ave - Hwy 404 to Woodbine Ave	1,054	-	-	-	-	-	100	30	829	2,992	3,618	-	-	8,623	
99530	Bloomington Rd - Yonge St to Bathurst St	2,291	1,787	1,000	7,295	1,065	-	-	-	-	-	-	-	-	13,438	
99540	Langstaff Rd - Dufferin St to Keele St (Class EA)	795	210	-	420	-	-	-	-	-	-	-	-	-	1,425	
99540A	Langstaff Rd - Dufferin St to Keele St (Class EA)	-	-	-	-	-	140	700	-	-	-	-	-	-	840	
99541	Langstaff Rd - Dufferin St to Keele St (Construction)	-	-	-	-	-	-	100	2,495	4,570	-	-	-	-	7,165	
99550	McCowan Rd - Steeles Ave to 14th Ave (Class EA)	640	-	90	90	470	-	-	-	-	-	-	-	-	1,290	
99550A	McCowan Rd - Steeles Ave to 14th Ave (Class EA)	-	-	-	-	-	-	-	-	360	1,550	-	-	-	2,375	



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				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
99551	McCowan Rd - Steeles Ave to 14th Ave (Construction)	-	-	-	-	-	-	-	-	-	-	-	1,000	8,825	7,800	17,625
99780	McCowan Rd - 14th Ave to Bullock Dr (Class EA)	70	-	470	-	-	-	-	-	-	-	-	-	-	-	910
99780A	McCowan Rd - 14th Ave to Bullock Dr (Class EA)	-	-	-	-	-	1,110	980	-	-	-	-	-	-	-	2,090
99781	McCowan Rd - 14th Ave to Bullock Dr (Construction)	-	-	-	-	-	-	2,800	5,700	6,245	10,855	-	-	-	-	25,600
99880	Vivian Rd - Hwy 48 to York Durham Line	1,004	-	4,195	-	-	-	-	-	-	-	-	-	-	-	5,599
99890	Intelligent Transportation Systems (ITS)	5,097	1,464	2,791	1,997	1,997	1,997	1,997	1,997	1,997	1,997	1,997	1,997	1,997	1,997	28,913
99900	Fleet New Additions	5,045	430	315	755	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	13,150
	Sub Total Growth/Expansion	219,339	82,195	103,032	125,756	147,561	157,001	154,647	108,882	89,481	78,139	263,551	1,743,274			
	Enhancement/Improvement															
82610	Regional Forest Property Upgrade	315	60	120	120	120	120	120	120	120	120	120	120	120	120	1,575
85830	Retrofit Noise Mitigation	250	50	50	50	50	50	50	50	50	50	50	50	50	50	800
	Sub Total Enhancement/Improvement	565	110	170	170	170	170	170	170	170	170	170	170	170	170	2,375
	Total Tangible Capital Assets	327,493	99,875	123,942	143,356	165,631	175,071	172,717	126,952	107,551	96,209	263,551	2,047,042			
	Non-Tangible Capital Assets															
	Rehabilitation/Replacement															
80105	Pavement Marking Program	-	-	2,500	2,500	2,500	-	-	-	-	-	-	-	-	-	12,500
80570	Tree Planting on Region Rights of Way	2,352	500	700	700	700	700	700	700	700	700	700	700	700	700	9,852
83920	Traffic Safety Program Improvements	425	100	100	100	100	100	100	100	100	100	100	100	100	100	1,525
97230	Pavement Management Study - System Maintenance	1,121	130	150	180	180	180	180	180	180	180	180	180	180	180	2,961



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020				
99870	Various Railway Crossing Improvements	2,206	500	850	500	500	500	500	500	500	500	500	500	500	500	-	8,056
Sub Total	Rehabilitation/Replacement	6,104	1,230	4,300	3,950	3,980	3,980	3,980	1,480	1,480	1,480	1,480	1,480	1,480	1,480	-	34,894
Growth/Expansion																	
39910	Misc. Design & Survey for Future Projects	12,547	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	-	25,747
80104A	Keele Street and Loydton/Aurora Rd (Class EA)	-	-	-	165	765	600	-	-	-	-	-	-	-	-	-	1,530
80106	Peggy's Wood Nature Reserve	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	200
80430	Regional Streetscaping	10,039	1,318	1,318	1,780	1,780	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	-	31,695
81360	Hwy 427 Arterial Extension to Zenway Blvd	9,190	-	57	-	-	-	-	-	-	-	-	-	-	-	-	9,247
81430	Cedar Ave Ext. - Langstaff Rd to High Tech Rd	205	-	10	-	-	1,911	-	-	-	-	-	-	-	-	-	2,126
82680	Hwy 404 Crossing north of Hwy 7 (Pre-Construction)	1,745	100	100	-	-	-	-	-	-	-	-	-	-	-	-	1,945
82681	Hwy 404 Crossing north of Hwy 7 (Construction)	-	-	-	2,100	3,447	-	-	-	-	-	-	-	-	-	-	5,547
82690	Vaughan Metropolitan Centre-Hwy 400/Hwy 7 Interchange (Pre-Construction)	2,923	-	-	510	1,500	-	-	-	-	-	-	-	-	-	-	4,933
82691	Vaughan Metropolitan Centre-Hwy 400/Hwy 7 Interchange (Construction)	-	-	-	-	2,200	1,130	-	-	-	-	-	-	-	-	-	3,330
83470	Mid York East-West Transportation Study (King Bypass)	190	-	20	-	-	-	-	-	-	-	-	-	-	-	-	210
83480	Transportation Master Plan Update	400	50	350	300	150	-	-	-	-	-	-	-	-	-	-	1,250
83481	Transportation Master Plan (Update)	-	-	-	-	-	-	-	350	350	-	-	-	-	-	-	700
83490	Smart Commute Initiative	1,200	200	200	200	200	200	200	200	200	200	200	200	200	200	-	3,400
83830	Ontarians with Disabilities Act (ODA) Compliance	580	-	250	-	-	-	-	-	-	-	-	-	-	-	-	830



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project	
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
84160	Hwy 404 Mid Block Cross. N of Major Mackenzie Dr	-	-	200	-	-	400	3,890	-	-	-	-	-	-	-	4,490
84940	Pedestrian and Cycling Program	500	500	500	500	500	500	500	500	500	500	500	500	500	500	6,000
85120	Donald Cousens Parkway from Hwy 407 to Box Grove By-Pass	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,000
85800	Pedestrian and Cycling Master Plan	700	50	50	50	50	50	50	50	50	50	50	50	50	50	1,250
85810	Arterial Corridor Transportation Studies	750	250	250	250	250	250	250	250	250	250	250	250	250	250	3,500
86730	Highway 404 Interchange at Doane Road (Construction Phase 1)	3,440	3,220	5,010	-	-	-	-	-	-	-	-	-	-	-	13,900
86731A	Highway 404 Interchange at Doane Road (Construction Phase 1)	-	-	-	-	-	-	-	-	-	-	-	4,260	-	-	4,260
86880	Pedestrian/Cycling Municipal Partnership Program	500	500	500	500	500	500	500	500	500	500	500	500	500	500	6,000
Sub Total Growth/Expansion		44,909	7,388	12,710	9,842	7,445	8,621	9,220	9,240	4,980	4,980	6,460	10,720	4,980	4,980	147,090
Total Non-Tangible Capital Assets		51,013	8,618	16,660	13,792	11,425	12,601	10,700	10,720	6,460	6,460	6,460	10,720	6,460	6,460	181,984
TOTAL GROSS EXPENDITURES		378,506	108,493	147,162	137,734	154,781	178,232	183,417	137,672	114,011	102,669	263,551	137,672	114,011	102,669	2,229,026



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
														(in \$000's)	
FINANCING SOURCES															
Regional Sources															
	Developer Up-Front Financing	7,415	6,050	-	-	-	-	-	-	-	-	-	-	-	13,465
	Development Charges	124,461	65,484	105,393	104,317	90,444	106,478	127,188	135,762	135,823	87,242	71,401	62,801	219,138	1,435,930
	Development Charges Committed	8,465	-	-	-	-	-	-	-	-	-	-	-	-	8,465
	Other Revenues	117	-	-	-	-	-	-	-	-	-	-	-	-	117
	Reserve: Current Tax Levy	166,067	32,865	32,249	39,715	45,272	45,227	42,828	41,622	43,914	45,874	39,869	33,773	40,531	649,807
	Reserve: General Capital	470	-	-	-	-	-	-	-	-	-	-	-	-	470
	Reserve: Land Securement	2,668	1,000	200	1,000	200	1,000	200	1,000	200	1,000	200	1,000	-	9,668
	Reserve: Prior Year Tax Levy	4,467	-	-	-	-	-	-	-	-	-	-	-	-	4,467
	Reserve: Vehicle Replacement	7,801	1,225	1,225	1,255	925	1,105	1,575	1,575	1,575	1,575	1,575	1,575	-	22,986
	Sub Total Regional Sources	321,931	106,624	139,067	146,287	136,841	153,810	171,791	179,959	181,512	135,691	113,045	99,149	259,669	2,145,376
External Sources															
	Federal Funding	500	-	-	-	-	-	-	-	-	-	-	-	-	500
	Municipal/Local	7,541	1,369	1,450	875	893	971	6,441	2,322	1,905	1,981	966	3,520	3,882	34,116
	Other Recoveries	1,345	500	-	-	-	-	-	-	-	-	-	-	-	1,845
	Provincial Funding	2,919	-	-	-	-	-	-	-	-	-	-	-	-	2,919
	Sub Total External Sources	12,305	1,869	1,450	875	893	971	6,441	2,322	1,905	1,981	966	3,520	3,882	39,380
	TOTAL AVAILABLE FINANCING	334,236	108,493	140,517	147,162	137,734	154,781	178,232	182,281	183,417	137,672	114,011	102,669	263,551	2,184,756
	TOTAL DEBENTURE REQUIREMENTS	44,270	-	-	-	-	-	-	-	-	-	-	-	-	44,270
	TOTAL FINANCING SOURCES	378,506	108,493	140,517	147,162	137,734	154,781	178,232	182,281	183,417	137,672	114,011	102,669	263,551	2,229,026



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
		(in \$000's)													
	DEBENTURE REPAYMENT SOURCES														
	Prior Years	44,270	-	-	-	-	-	-	-	-	-	-	-	-	44,270
	TOTAL DEBENTURE REQUIREMENTS	44,270	-	-	-	-	-	-	-	-	-	-	-	-	44,270

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
39910	Misc. Design & Survey for Future Projects	12,000	1,200	-	-	10,800	-	-	-
39920	Property Acquisition for Future Capital Projects	5,000	1,500	-	-	3,500	-	-	-
39930	Bridge & Culvert Rehabilitation	15,000	15,000	-	-	-	-	-	-
39950	Intersection Improvements Program	24,740	2,470	-	-	22,270	-	-	-
39960	Various Road Resurfacing	110,425	110,425	-	-	-	-	-	-
39970	Misc. Developer Credit	6,000	6,000	-	-	-	-	-	-
39980	Various Road Improvements	25,750	25,750	-	-	-	-	-	-
39990	Traffic Control Signal & Electrical Improvements	7,500	750	-	-	6,750	-	-	-
80101A	King Road - Yonge Street to Bond Crescent (Design/Property)	505	505	-	-	-	-	-	-
80101B	King Road - Yonge Street to Bond Crescent (Construction)	4,815	4,815	-	-	-	-	-	-
80104	Keele Street and Loydton/Aurora Rd (Class EA)	330	32	-	-	298	-	-	-
80104A	Keele Street and Loydton/Aurora Road (Design/Property)	1,530	153	-	-	1,377	-	-	-
80104B	Keele Street and Loydton/Aurora Road (Construction)	2,400	240	-	-	2,160	-	-	-
80105	Pavement Marking Program	12,500	12,500	-	-	-	-	-	-
80106	Peggy's Wood Nature Reserve	200	200	-	-	-	-	-	-
80107	Nobelton Area Ancillary Facility	300	300	-	-	-	-	-	-

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Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
80107A	Nobelton Area Ancillary Facility (Construction)	800	800	-	-	-	-	-	-
80108	Sign Inventory Management Program	500	500	-	-	-	-	-	-
80109	York Regional Forest Head Quarters (Pre Construction)	150	150	-	-	-	-	-	-
80109A	York Regional Forest Head Quarters (Construction)	850	850	-	-	-	-	-	-
80430	Regional Streetscaping	20,338	8,135	-	-	12,203	-	-	-
80570	Tree Planting on Region Rights of Way	7,000	7,000	-	-	-	-	-	-
80610	Bathurst St - King Rd to Wellington St	1,130	113	-	-	1,017	-	-	-
80620	Bathurst St - Wellington St to Mulock Dr	613	61	-	-	552	-	-	-
80660	Ninth Line - N of Major Mackenzie Dr to Stouffville Main St	17,700	1,769	-	-	15,931	-	-	-
80671	Bayview Ave - 19th Ave to Stouffville Rd (Construction)	4,652	465	-	-	4,187	-	-	-
80681	Bayview Ave - Elgin Mills Rd to 19th Ave (Construction)	11,610	1,080	-	-	9,730	-	-	800
80720	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Pre-Construction)	5,350	535	-	-	4,815	-	-	-
80721	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Construction)	7,630	763	-	-	6,867	-	-	-
80790	14th Ave - Reesor Rd to York Durham Line (Class EA)	320	32	-	-	288	-	-	-
80790A	14th Ave - Reesor Rd to York Durham Line (Design/Property)	3,540	354	-	-	3,186	-	-	-
80791	14th Ave - Reesor Rd to York Durham Line (Construction)	5,140	514	-	-	4,626	-	-	-

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Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
80880	York Greening Initiative-Land Securement	6,000	-	6,000	-	-	-	-	-
81320A	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Design/Property)	3,540	354	-	-	3,186	-	-	-
81321	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Construction)	39,700	3,969	-	-	35,731	-	-	-
81360	Hwy 427 Arterial Extension to Zenway Blvd	57	6	-	-	51	-	-	-
81390	Bathurst St - North of Hwy 7 to Rutherford Rd (Pre-Construction)	1,393	139	-	-	1,254	-	-	-
81391	Bathurst St - North of Hwy 7 to Rutherford Rd (Construction)	11,872	1,091	-	-	9,822	-	-	959
81420	Bayview Ave - Hwy 7 to John St	28,345	2,835	-	-	25,510	-	-	-
81430	Cedar Ave Ext. - Langstaff Rd to High Tech Rd	1,921	192	-	-	1,729	-	-	-
81510	Keele St and 15th Sideroad	436	44	-	-	392	-	-	-
81810	Hwy 50 - Hwy 7 to Rutherford Rd	8,975	897	-	-	8,078	-	-	-
82610	Regional Forest Property Upgrade	1,200	1,200	-	-	-	-	-	-
82680	Hwy 404 Crossing north of Hwy 7 (Pre-Construction)	100	10	-	-	90	-	-	-
82681	Hwy 404 Crossing north of Hwy 7 (Construction)	5,547	555	-	-	4,992	-	-	-
82690	Vaughan Metropolitan Centre-Hwy 400/Hwy 7 Interchange (Pre-Construction)	2,010	201	-	-	1,809	-	-	-
82691	Vaughan Metropolitan Centre-Hwy 400/Hwy 7 Interchange (Construction)	3,330	333	-	-	2,997	-	-	-
82700	16th Ave - Woodbine Ave to Warden Ave	16,824	1,682	-	-	15,142	-	-	-

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Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
82730	Dufferin St - Major Mackenzie Dr to Teston Rd	360	36	-	-	324	-	-	-
82730A	Dufferin St - Major Mackenzie Dr to Teston Rd (Design/Property)	565	56	-	-	509	-	-	-
82731	Dufferin St - Major Mackenzie Dr to Teston Rd (Construction)	8,690	868	-	-	7,822	-	-	-
82740	Bayview Ave - 16th Ave to Major Mackenzie Dr (Class EA)	175	17	-	-	158	-	-	-
82740A	Bayview Ave - 16th Ave to Major Mackenzie Dr (Design/Property)	694	69	-	-	625	-	-	-
82741	Bayview Ave - 16th Ave to Major Mackenzie Dr (Construction)	6,105	520	-	-	4,680	-	-	905
82860	Bathurst St - Rutherford Rd to Major Mackenzie Dr (Pre-Construction)	310	31	-	-	279	-	-	-
82861	Bathurst St - Rutherford Rd to Major Mackenzie Dr (Construction)	11,458	1,056	-	-	9,509	-	-	893
83020	King Rd - Hwy 27 to Hwy 400 (Class EA)	540	54	-	-	486	-	-	-
83020A	King Rd - Hwy 27 to Hwy 400 (Design/Property)	6,422	642	-	-	5,780	-	-	-
83021	King Rd - Hwy 27 to Hwy 400 (Construction)	25,375	2,538	-	-	22,837	-	-	-
83360	Leslie St - Hwy 7 to 16th Ave	12,717	1,272	-	-	11,445	-	-	-
83370	Leslie St - 16th Ave to Major Mackenzie Dr	13,660	1,366	-	-	12,294	-	-	-
83390	16th Ave - Warden Ave to Kennedy Rd	17,634	1,763	-	-	15,871	-	-	-
83450	Major Mackenzie Dr - Hwy 50 to Canadian Pacific Railway (CPR) (Design/Property)	3,555	1,066	-	-	2,489	-	-	-

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Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
83451	Major Mackenzie Dr - Hwy 50 to CPR (Construction)	17,740	5,322	-	-	12,418	-	-	-
83470	Mid York East-West Transportation Study (King Bypass)	20	-	-	-	20	-	-	-
83480	Transportation Master Plan Update	800	-	-	-	800	-	-	-
83481	Transportation Master Plan (Update)	700	-	-	-	700	-	-	-
83490	Smart Commute Initiative	2,000	2,000	-	-	-	-	-	-
83830	Ontarians with Disabilities Act (ODA) Compliance	250	250	-	-	-	-	-	-
83850	Highway 50 and Albion-Vaughan Road/Mayfield (Pre-Construction)	435	43	-	-	392	-	-	-
83851	Highway 50 and Albion-Vaughan Road/Mayfield (Construction)	4,020	401	-	-	3,619	-	-	-
83870	Ninth Line and Egin Mills Rd	5,640	564	-	-	5,076	-	-	-
83880	Ninth Line and Major Mackenzie Dr	8,100	810	-	-	7,290	-	-	-
83890	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	36	11	-	-	25	-	-	-
83890A	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Design/Property)	1,415	424	-	-	991	-	-	-
83891	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Construction)	7,220	2,166	-	-	5,054	-	-	-
83900	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd (Pre-Construction)	650	195	-	-	455	-	-	-
83901	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd (Construction)	4,996	1,499	-	-	3,497	-	-	-
83910	Road Asset Management	400	400	-	-	-	-	-	-
83920	Traffic Safety Program Improvements	1,000	1,000	-	-	-	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
83940	Teston Rd - East of Pine Valley Dr (Pre-Construction)	1,229	1,229	-	-	-	-	-	-
83941	Teston Rd - East of Pine Valley Dr (Construction)	6,180	6,180	-	-	-	-	-	-
84120	Keele St - Hwy 7 to Langstaff Rd (Class EA)	50	5	-	-	45	-	-	-
84120A	Keele St - Hwy 7 to Langstaff Rd (Design/Property)	668	66	-	-	602	-	-	-
84121	Keele St - Hwy 7 to Langstaff Rd (Construction)	11,608	1,056	-	-	9,503	-	-	1,049
84150	Bathurst St - Major Mackenzie Dr to Elgin Mills (Design/Property)	1,343	403	-	-	940	-	-	-
84151	Bathurst St - Major Mackenzie Dr to Elgin Mills (Construction)	13,977	3,892	-	-	9,085	-	-	1,000
84160	Hwy 404 Mid Block Cross. N of Major Mackenzie Dr	4,490	449	-	-	4,041	-	-	-
84180	Leslie St - Wellington St to St. John's (Design/Property)	1,365	136	-	-	1,229	-	-	-
84181	Leslie St - Wellington St to St. John's (Construction)	7,780	677	-	-	6,103	-	-	1,000
84190A	Leslie St - St John's Sdrd to Mulock Dr (Design/Property)	1,195	119	-	-	1,076	-	-	-
84191	Leslie St - St John's Sdrd to Mulock Dr (Construction)	9,282	828	-	-	7,454	-	-	1,000
84200A	Doane Road - Highway 404 to Yonge St (Design/Property)	7,840	783	-	-	7,057	-	-	-
84201	Doane Road - Highway 404 to Yonge St (Construction)	19,866	1,754	-	-	15,790	-	-	2,322
84860	Bathurst St and Hwy 9 (Pre-Construction)	585	58	-	-	527	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/venture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
84861	Bathurst St and Hwy 9 (Construction)	3,313	331	-	-	2,982	-	-	-
84890	Kennedy Rd - 14 th Ave to Hwy 407 (Class EA)	115	11	-	-	104	-	-	-
84890A	Kennedy Rd - 14 th Ave to Hwy 407 (Design/Property)	1,701	170	-	-	1,531	-	-	-
84930	Automated Vehicle Location (AVL) System - Winter Maintenance	150	150	-	-	-	-	-	-
84940	Pedestrian and Cycling Program	5,000	500	-	-	4,500	-	-	-
84950	Drainage System Program	2,500	2,500	-	-	-	-	-	-
85110	Teston Road - Dufferin Street to Keele Street (Class EA)	266	80	-	-	186	-	-	-
85110A	Teston Rd from Dufferin St to Keele St (Design/Property)	2,900	870	-	-	2,030	-	-	-
85111	Teston Rd from Dufferin St to Keele St (Construction)	10,520	3,156	-	-	7,364	-	-	-
85120	Donald Cousens Parkway from Hwy 407 to Box Grove By-Pass	15,000	1,500	-	-	13,500	-	-	-
85560	Rutherford Rd - Keele St to Dufferin St (Class EA)	208	21	-	-	187	-	-	-
85560A	Rutherford Rd - Keele St to Dufferin St (Design/Property)	1,420	141	-	-	1,279	-	-	-
85561	Rutherford Rd - Keele St to Dufferin St (Construction)	23,840	2,384	-	-	21,456	-	-	-
85570	Rutherford Rd - Jane St to Keele St (Class EA)	124	12	-	-	112	-	-	-
85570A	Rutherford Rd - Jane St to Keele St (Design/Property)	825	82	-	-	743	-	-	-
85571	Rutherford Rd - Jane St to Keele St (Construction)	13,730	1,372	-	-	12,358	-	-	-

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Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
85580	Rutherford Rd - Dufferin St to Bathurst St (Class EA)	147	15	-	-	132	-	-	-
85580A	Rutherford Rd - Dufferin St to Bathurst St (Design/Property)	990	98	-	-	892	-	-	-
85581	Rutherford Rd - Dufferin St to Bathurst St (Construction)	14,625	1,462	-	-	13,163	-	-	-
85590	Carville Rd - Bathurst St to Yonge St (Class EA)	184	18	-	-	166	-	-	-
85590A	Carville Rd - Bathurst St to Yonge St (Design/Property)	710	70	-	-	640	-	-	-
85591	Carville Rd - Bathurst St to Yonge St (Construction)	10,705	1,070	-	-	9,635	-	-	-
85600	16th Ave - Yonge St to Bayview Ave	16,953	1,695	-	-	15,258	-	-	-
85610	16th Ave - Leslie St to Hwy 404	6,698	670	-	-	6,028	-	-	-
85620	2nd Concession - Green Lane to Doane Rd (Pre-Construction)	6,650	665	-	-	5,985	-	-	-
85621	2nd Concession - Green Lane to Doane Rd (Construction)	36,700	3,670	-	-	33,030	-	-	-
85630	Keele St - Langstaff Rd to Rutherford Rd	9,783	885	-	-	7,966	-	-	932
85650	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Design/Property)	9,675	2,901	-	-	6,774	-	-	-
85651	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Construction)	32,753	9,825	-	-	22,928	-	-	-
85660	Major Mackenzie Dr - Pine Valley Dr to Weston Rd (Design/Property)	1,120	112	-	-	1,008	-	-	-
85661	Major Mackenzie Dr - Pine Valley Dr to Weston Rd (Construction)	10,050	1,004	-	-	9,046	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
85670	Major Mackenzie Dr - Hwy 400 to Jane St	2,650	264	-	-	2,386	-	-	-
85680	Major Mackenzie Dr - Jane St to Keele St (Class EA)	100	10	-	-	90	-	-	-
85680A	Major Mackenzie Dr - Jane St to Keele St (Design/Property)	300	30	-	-	270	-	-	-
85681	Major Mackenzie Dr - Jane St to Keele St (Construction)	2,260	226	-	-	2,034	-	-	-
85690	Stouffville Rd - Warden Ave to Kennedy Rd	20	2	-	-	18	-	-	-
85700	Stouffville Rd - Kennedy Rd to McCowan Rd	5,115	511	-	-	4,604	-	-	-
85710	Yonge St - Davis Dr to Green Lane (Pre-Construction)	560	56	-	-	504	-	-	-
85711	Yonge St - Davis Dr to Green Lane (Construction)	19,864	1,987	-	-	17,877	-	-	-
85720	Jane St and Major Mackenzie Dr (Pre-Construction)	265	25	-	-	240	-	-	-
85730	Jane St and Rutherford Rd (Pre-Construction)	220	22	-	-	198	-	-	-
85731	Jane St and Rutherford Rd (Construction)	1,925	192	-	-	1,733	-	-	-
85740	Hwy 7 and Keele St (Class EA)	57	6	-	-	51	-	-	-
85740A	Hwy 7 and Keele St (Design/Property)	712	71	-	-	641	-	-	-
85741	Hwy 7 and Keele St (Construction)	5,025	502	-	-	4,523	-	-	-
85750	Leslie St and Hwy 7	4,480	448	-	-	4,032	-	-	-
85760	Leslie St and 16th Ave	4,626	463	-	-	4,163	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
85780	Ninth Line & Stouffville Rd Jog Elimination (Pre-Construction)	4,574	457	-	-	4,117	-	-	-
85781	Ninth Line & Stouffville Rd Jog Elimination (Construction)	4,605	460	-	-	4,145	-	-	-
85790	Southeast Patrol Area Works Yard	7,485	2,544	-	-	4,941	-	-	-
85800	Pedestrian and Cycling Master Plan	500	-	-	-	500	-	-	-
85810	Arterial Corridor Transportation Studies	2,500	-	-	-	2,500	-	-	-
85830	Retrofit Noise Mitigation	500	500	-	-	-	-	-	-
86730	Highway 404 Interchange at Doane Road (Construction Phase 1)	7,240	724	-	-	6,516	-	-	-
86731A	Highway 404 Interchange at Doane Road (Construction Phase 2)	4,260	426	-	-	3,834	-	-	-
86770	Major Mackenzie Dr - Bathurst St to Keele St (Class EA)	100	10	-	-	90	-	-	-
86770A	Major Mackenzie Dr - Bathurst St to Keele St (Design/Property)	300	30	-	-	270	-	-	-
86771	Major Mackenzie Dr - Bathurst St to Keele St (Construction)	17,607	1,761	-	-	15,846	-	-	-
86800A	Queensville Sdrd - Leslie St to Woodbine Ave (Design/Property)	1,150	115	-	-	1,035	-	-	-
86801	Queensville Sdrd - Leslie St to Woodbine Ave (Construction)	1,904	190	-	-	1,714	-	-	-
86810	York Durham Line - Hwy 407 to Hwy 7 (Pre-Construction)	550	55	-	-	495	-	-	-
86811	York Durham Line - Hwy 407 to Hwy 7 (Construction)	12,370	1,237	-	-	11,133	-	-	-
86820	York Durham Line - Hwy 7 to Main St Stouffville (Class EA)	1,125	562	-	-	563	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
86820A	York Durham Line - Hwy 7 to Main St Stouffville (Design/Property)	792	396	-	-	396	-	-	-
86821	York Durham Line - Hwy 7 to Main St Stouffville (Construction)	17,429	6,953	-	-	6,956	-	-	3,520
86830	York Durham Line - Bloomington to Main St Stouffville (Pre-Construction)	4,327	3,894	-	-	433	-	-	-
86831	York Durham Line - Bloomington to Main St Stouffville (Construction)	10,997	9,028	-	-	1,003	-	-	966
86861	16th Avenue and Reesor Road Jog Elimination (Construction)	7,778	778	-	-	7,000	-	-	-
86880	Pedestrian/Cycling Municipal Partnership Program	5,000	5,000	-	-	-	-	-	-
86900	Keele St at 17th Sdrd (Pre-Construction)	1,280	127	-	-	1,153	-	-	-
86901	Keele St at 17th Sdrd (Construction)	2,640	264	-	-	2,376	-	-	-
86910	Dufferin St and King/Vaughan Road (Pre-Construction)	1,125	112	-	-	1,013	-	-	-
86911	Dufferin St and King/Vaughan Road (Construction)	1,998	199	-	-	1,799	-	-	-
86920	Keele St and King/Vaughan Road (Pre-Construction)	586	59	-	-	527	-	-	-
86921	Keele St and King/Vaughan Road (Construction)	2,920	292	-	-	2,628	-	-	-
86930	Jane St and King/Vaughan Road (Pre-Construction)	1,291	129	-	-	1,162	-	-	-
86931	Jane St and King/Vaughan Road (Construction)	3,821	382	-	-	3,439	-	-	-
86940	Keele St and McNaughton Rd (Construction)	2,000	200	-	-	1,800	-	-	-
91120	Metro Rd - Morton Ave to Old Homestead Rd (Class EA)	190	95	-	-	95	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Lease Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
91120A	Metro Rd - Morton Ave to Old Homestead Rd (Design/Property)	816	407	-	-	409	-	-	-
91121	Metro Rd - Morton Ave to Old Homestead Rd (Construction)	8,343	4,171	-	-	4,172	-	-	-
94200	Ninth Line - Hwy 407 to the Markham Bypass	1,388	416	-	-	972	-	-	-
96020	Bathurst St - Green Lane West to Yonge St (Pre-Construction)	3,350	1,005	-	-	2,345	-	-	-
96021	Bathurst St - Green Lane West to Yonge St (Construction)	22,434	6,730	-	-	15,704	-	-	-
96700	Woodbine Ave - Ravenshoe Rd to Morton Ave	10,373	1,037	-	-	9,336	-	-	-
96770	Keele St - Steeles Ave to Hwy 407 (Pre-Construction)	171	17	-	-	154	-	-	-
96771	Keele St - Steeles Ave to Hwy 407 (Construction)	9,920	970	-	-	8,729	-	-	221
97000	Bayview Ave - Hwy 407 to 16th Ave (Class EA)	390	39	-	-	351	-	-	-
97000A	Bayview Ave - Hwy 407 to 16th Ave (Design/Property)	447	45	-	-	402	-	-	-
97001	Bayview Ave - Hwy 407 to 16th Ave (Construction)	9,553	876	-	-	7,885	-	-	792
97010	Bloomington Rd - Yonge St to Bayview Ave (Construction)	12,325	1,152	-	-	10,378	-	-	795
97080	Bloomington Rd - Bayview Ave to Hwy 404	12,090	1,208	-	-	10,882	-	-	-
97100	St John's Sdrd - Bayview Ave to Woodbine Ave (Pre-Construction)	1,055	527	-	-	528	-	-	-
97101	St John's Sdrd - Bayview Ave to Woodbine Ave (Construction)	15,340	6,724	-	-	6,726	-	-	1,890

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Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/venture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
97120	Stouffville Rd - Hwy 404 to Warden Ave	9,645	964	-	-	8,681	-	-	-
97150A	Leslie St - Bethesda Sdrd to Bloomington Rd (Design/Property)	3,660	3,294	-	-	366	-	-	-
97151	Leslie St - Bethesda Sdrd to Bloomington Rd (Construction)	7,533	6,779	-	-	754	-	-	-
97230	Pavement Management Study - System Maintenance	1,710	1,710	-	-	-	-	-	-
98170	Hwy 7 - Rouge River to Verclaire Gate	12,060	1,205	-	-	10,855	-	-	-
98181	Hwy 7 - Verclaire Gate to Sciberras Rd (Construction)	5,138	439	-	-	3,949	-	-	750
98210	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Class EA)	270	26	-	-	244	-	-	-
98210A	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Design/Property)	2,520	251	-	-	2,269	-	-	-
98211	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Construction)	4,970	496	-	-	4,474	-	-	-
98320	Leslie St - Green Lane to Mount Albert Rd	2,185	218	-	-	1,967	-	-	-
98340	19th Ave - Yonge St to Bayview Ave	5,990	591	-	-	5,319	-	-	80
98570	Langstaff Rd - Hwy 50 to Hwy 27	1,085	108	-	-	977	-	-	-
98650	Major Mackenzie Dr - Donald Cousen's Parkway to 9th Line	3,820	382	-	-	3,438	-	-	-
98670	Warden Ave - 16th Ave to Major Mackenzie Dr	7,420	597	-	-	5,373	-	-	1,450
98680	*Woodbine Ave - Major Mackenzie Dr to 19th Ave	7,800	780	-	-	7,020	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Lease Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
98690	Bayview Ave - Stouffville Rd to Bloomington Rd (Pre-Construction)	914	91	-	-	823	-	-	-
98691	Bayview Ave - Stouffville Rd to Bloomington Rd (Construction)	5,709	571	-	-	5,138	-	-	-
98700	Donald Cousens Parkway Extension to Morningside Ave (Pre-Construction)	3,146	314	-	-	2,832	-	-	-
98701	Donald Cousens Parkway Extension to Morningside Ave (Construction)	12,636	527	-	-	12,109	-	-	-
98960	Kennedy Rd - Hwy 407 to Hwy 7 (Class EA)	425	42	-	-	383	-	-	-
98960A	Kennedy Rd - Hwy 407 to Hwy 7 (Design/Property)	1,262	126	-	-	1,136	-	-	-
99180	16th Ave - Bayview Ave to Leslie St	12,956	1,295	-	-	11,661	-	-	-
99210	Bayview Ave - Bloomington Rd to Wellington St (Class EA)	600	60	-	-	540	-	-	-
99210A	Bayview Ave - Bloomington Rd to Wellington St (Design/Property)	1,210	121	-	-	1,089	-	-	-
99211	Bayview Ave - Bloomington Rd to Wellington St (Construction)	9,105	910	-	-	8,195	-	-	-
99240	Kennedy Rd - Steeles Ave to Denison St	1,060	106	-	-	954	-	-	-
99510	16th Ave - Hwy 404 to Woodbine Ave	7,569	757	-	-	6,812	-	-	-
99530	Bloomington Rd - Yonge St to Bathurst St	9,360	935	-	-	8,425	-	-	-
99540	Langstaff Rd - Dufferin St to Keele St (Class EA)	420	42	-	-	378	-	-	-
99540A	Langstaff Rd - Dufferin St to Keele St (Design/Property)	840	84	-	-	756	-	-	-
99541	Langstaff Rd - Dufferin St to Keele St (Construction)	7,165	716	-	-	6,449	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/venture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
99550	McCowan Rd - Steeles Ave to 14th Ave(Class EA)	650	65	-	-	585	-	-	-
99550A	McCowan Rd - Steeles Ave to 14th Ave(Design/Property)	2,375	237	-	-	2,138	-	-	-
99551	McCowan Rd - Steeles Ave to 14th Ave (Construction)	17,625	1,762	-	-	15,863	-	-	-
99780	McCowan Rd - 14th Ave to Bullock Dr (Class EA)	840	83	-	-	757	-	-	-
99780A	McCowan Rd - 14th Ave to Bullock Dr (Design/Property)	2,090	209	-	-	1,881	-	-	-
99781	McCowan Rd - 14th Ave to Bullock Dr (Construction)	25,600	2,559	-	-	23,041	-	-	-
99870	Various Railway Crossing Improvements	5,350	5,350	-	-	-	-	-	-
99880	Vivian Rd - Hwy 48 to York Durham Line	4,595	2,297	-	-	2,298	-	-	-
99890	Intelligent Transportation Systems (ITS)	22,352	2,237	-	-	20,115	-	-	-
99900	Fleet New Additions	7,675	3,908	-	-	3,767	-	-	-
99910	Fleet Replacement	13,960	-	13,960	-	-	-	-	-
Total Tax Supported		1,478,476	410,345	19,960	-	1,026,847	-	-	21,324

TOTAL FINANCING SOURCES	1,478,476	410,345	19,960	-	1,026,847	-	21,324
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2011 Capital Business Plan

Water Services

Capital Strategy

The Water and Wastewater Master Plan Update completed in 2009 recommended major infrastructure expansion required to address servicing needs to 2051. Along with infrastructure expansion, water conservation and inflow and infiltration reduction initiatives have become key elements in the Region's servicing strategy to provide cost effective and sustainable services.

Key elements of the water capital strategy adopted in the ten year capital program are presented below.

Water Conservation and Efficiency plays major role in strategy

- With rising costs in building new infrastructure and regulatory requirements on environmental protection, water conservation and efficiency will play an increasingly important role in addressing long term water servicing needs
- In 2007 the Water Efficiency Master Plan recommended new programs that could save an additional 23.4 million litres of water per day. Additional savings beyond this target are now under study through the Long Term Water Conservation Strategy due to be completed in the second quarter of 2011
- Major regulatory requirements impacting the water strategy include :
 - MOE conditions of approval on the Southeast Collector Individual Environmental Assessment (IEA)
 - MOE conditions of approval of the Region's intra-basin transfer of water, pertaining to transfer restrictions under the 1985 Great Lakes Charter and 2005 Great Lakes - St Lawrence River Basin Sustainability Water Resources Agreement

Staged increase in water supply from Peel and Toronto to meet future growth needs

- Staged increase in Lake Ontario based water supply through long term service agreements with City of Toronto and Peel Region will continue to be the strategy to meet York Region's long term needs
- Under the Peel agreement, Water supply is scheduled to increase gradually from 134 ML/day in 2011 to 260 ML/day in 2020 and ultimately to 388 ML/day in 2031. Under the Toronto agreement, supply is 501 ML/day in 2011 and ultimately increases to 530 ML/day in 2031

2011 Capital Business Plan

Water Services

Expansion of York Water System transmission to service growth

- Four main strategic areas of system improvement are identified for implementation in the ten year capital program:
 - Expand the transmission system inside York Region in conjunction with the staged increase in lake-based water supply from Peel and Toronto
 - Remove system bottlenecks through upgrading the existing Pugsley Pumping Station (Pressure District 7) and construction of a new pumping station in Richmond Hill which will pump water directly from Pressure District 6 to Pressure District 8
 - Augment water storage capacities in Richmond Hill, King, Queensville, Aurora and Stouffville
 - Augment the transmission system capacities in Holland Landing, Queensville and Sharon to service the approved growth in these communities

Communities outside the York Water System will have upgrades completed to meet growth needs

- Works are currently underway to extend the York Water System to Kleinburg and King City and to augment the capacity of groundwater based water supply systems in Nobleton, Mount Albert and Ballantrae. With the completion of the above works, communities outside the York Water System (except Georgina) will have sufficient capacity to service expected growth in their approved community plans
- Phased expansion of the water treatment plant in Georgina, as well as expansion of transmission systems in Keswick and Sutton, will ensure that Georgina has adequate water supply to meet its future needs

Continuation of Infrastructure Management

- As per reporting requirements in section 3150 of the Public Sector Accounting Board (PSAB) Handbook, municipalities are required to report tangible capital assets as assets (versus expenses) on financial statements. This is intended to ensure that municipalities have a better understanding of their asset base and the condition of infrastructure. In addition, the Ontario government passed Bill 175, the Sustainable Water & Sewage Systems Act, which requires municipalities to assess the full cost of providing water and sewage services and to recover costs needed to operate, maintain, and replace them. Once implemented, Bill 175 will require municipalities to report on asset inventories, infrastructure management plans, assessment of the cost of providing water and wastewater services as well as revenue sources for full cost recovery. This legislation also requires municipalities to establish and maintain a dedicated reserve account to pay for the full cost of providing water and wastewater services and the replacement cost of the infrastructure at the end of its lifecycle.

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Water Services

- The Department's key strategic goals involve proactively managing and maintaining infrastructure to ensure short and long term adequacy and reliability of water, wastewater and solid waste services and to comply with all regulatory requirements. The Infrastructure Management Program effectively manages the lifecycle of billions of dollars worth of environmental services assets.
- The Infrastructure Management Program is the Region's key business support for managing the on-going performance, quality, reliability and improvement of Department infrastructure. As part of this program, the Department is required to manage inspection, condition assessment and capital planning of infrastructure to drive proactive lifecycle management and true cost accounting. This requires establishing data needs, analysis, risk assessment, capital planning and an iterative management cycle to guide the program. The overall program supports the Department in providing sustainable services and proper lifecycle management in alignment with PSAB 3150 and Bill 175.
- The Infrastructure Improvement Program is designed to support short and long term capital planning. The aim of the Program and its supporting database system is to define and organize infrastructure needs, provide a quantitative method for choosing priority projects, while managing descriptive information and rationale over the long term. In essence, the Program provides an objective method for evaluating infrastructure needs and optimization opportunities.

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Water Services

Key Initiatives (10 Year Plan)

A number of key initiatives and related projects have been identified as essential in carrying out the capital strategy. These include implementing the following water projects in the ten year program. *(Bracketed costs indicate total spending 2011 to 2020 including amounts previously approved/ total project cost)*

1. Implementation of Toronto and Peel Water Supply Projects will continue

The total 10-year expenditure on Peel cost-shared capital works is \$430M. Major Peel projects include:

- Lakeview treatment plant Phase 2 expansion (\$163M/\$197M)
- Lorne Park treatment plant expansion (\$15M/\$40M)
- Lakeview to Hanlan watermain (\$101M/\$107M)
- Hanlan to Beckett Sproule watermain (\$66M/\$91M)
- Beckett Sproule pumping station phase 2 expansion (\$29M/\$37M)
- Hanlan pumping station phase 2 & 3 expansions (\$14M/\$31M)
- Airport Road pumping station and reservoir expansion (\$32M/\$33M)

The total 10-year expenditure on Toronto cost-shared capital works is \$376M. Major Toronto projects include:

- Horgan water treatment plant expansion (\$27M/\$74M)
- Mount Pleasant watermain (\$78M/\$78M)
- Milliken pumping station upgrade (\$5M/\$35M)
- Gerrard watermain (\$51M/\$51M)
- Horgan watermain to Ellesmere (\$19M/\$19M)

2. York Water System will be expanded

- Transmission system expansion to convey water from Toronto's system to Markham through construction of the Kennedy Road watermain (\$66M/\$70M)
- Transmission system expansion to convey lake-based water to Aurora and Newmarket including new trunk mains on Bloomington Road, Yonge Street, Vandorf Sideroad and Leslie Street (\$44M/\$45M)
- Additional pumping capacity to meet future system demand needs through construction of a new Pressure District 8 pumping station in Richmond Hill (\$34M/\$34M), upgrades of Maple pumping station (\$3M/3M), Pugsley

2011 Capital Business Plan

Water Services

Pressure District 7 pumping stations (\$7M/\$7M), and Orchard Heights pumping station (\$8M/\$9M)

- Storage capacity increases through construction of storage facilities to service Richmond Hill Pressure District 9 (\$1M/\$9M), Vaughan Pressure District 5 (\$50M/50M), Vaughan Pressure District 7 (\$20M/\$20M), Aurora East (\$10M/\$10M), Aurora Central (\$11M/\$11M), Newmarket West (\$10M/\$10M), Newmarket Central (\$13M/\$13M) and Queensville and Sharon (\$16M/\$17M)
- Expansion of the water system in East Gwillimbury through construction of the Green Lane and Second Concession watermains (\$17M/\$17M)
- Extension of York Water System to Kleinburg-Nashville (\$13M/\$20M) and King City (\$2M/\$18M)

3. Water Supply Systems in Satellite Communities will be expanded

- Expansion of the Georgina water supply system includes extension of the Woodbine Avenue trunk watermain to the West Park Heights Reservoir (\$5M/\$22M), an elevated tank in north Keswick (\$6M/\$6M) and expansion of the Georgina Water Treatment Plant (\$3M/\$13M)
- Expansion of water supply systems will be implemented in Mount Albert (\$1M/\$5M), Ballantrae (\$4M/\$6M), and Nobleton (\$4M/\$13M)

4. Implementation of the Updated Water Efficiency and Conservation Programs commenced in 2010

- A Water Efficiency Master Plan Update was completed in 2007. The study reviewed existing water use efficiency and conservation initiatives and recommended an update on the following programs: Rebate Program for residential and industrial, commercial and institutional (ICI) users, Distribution Leakage Detection Program, ICI Water Audit Program and the Education Program including broad scale public education and youth education such as the popular water efficiency landscape audits and the Children's Water Festival. Updated programs also include Maintenance, Monitoring and Evaluation Programs to verify and maintain water savings. Internal implementation of the expanded Water for Tomorrow program began in 2010. (\$43M/\$51M)
- The Region continues to work with local municipalities to implement new measures and enhance existing programs including:
 - Water efficient toilet rebates for residents and businesses
 - Reduction of summer outdoor water use through the use of rain barrels, water efficient gardening practices and enhanced education

2011 Capital Business Plan

Water Services

- Free installation of low flow pre-rinse spray valves in commercial kitchens
- Water audits for large water use industrial customers including a buy-back incentive of \$0.30 per litre of water saved towards the cost of improved water using processes
- Enhanced education programs including new website, distribution of promotional material, workshops, seminars, Tap'd in Water trailer and attendance at community events
- Enhanced children's education programs including the Children's Water Festival, in-school education, calendar contest, etc.

5. Infrastructure Upgrade, Replacement and Rehabilitation needs will increase over time

York Region's water infrastructure is aging and proper support is becoming a necessity to meet service level standards. As management plans are completed, new projects are identified to ensure future reliability. These projects will impact the latter years of the capital program as more needs are identified. (approximately \$143M over 10 years)

Key projects identified and included in the capital program include:

- North water system regulatory upgrades to replace the existing oil lube pumps with water lube pumps to eliminate the potential for hydrocarbon oil contamination in water supply
- Storage reservoir upgrades to address circulation and mixing concerns as well as health and safety requirements
- Keswick Water Treatment plant system upgrades including backwash control upgrades, low lift pump capacity review, process tank rehabilitation and health and safety upgrades
- Water system condition assessments and pumping station upgrades including stand-by power supply for key facilities

6. Technical work to support Clean Water Act Requirements is underway

In partnership with Conservation Authorities, work is underway to assess vulnerability of the Region's drinking water supplies to potential quality and quantity threats from existing and future land use activities. An assessment report will be complete by 2011 and will be used to develop a source water protection plan as required by the Clean Water Act. (\$28M/\$39M)

2011 Capital Business Plan

Water Services

New Projects included in the 2011 Water Budget

There are four new projects in the ten year capital program totalling \$25.8M:

- **Pugsley Pumping Station Upgrade (\$6.7M)**

This project is to replace pumps in the existing Pugsley pumping station and is required to address pumping capacity limitations in Pressure District 7 (PD7)

- **Nashville Road Watermain (\$7.4M)**

This project is to construct a new watermain along Nashville Road between Huntington Road and Highway 27 and is required to service the projected growth in Kleinburg–Nashville community

- **York Water System Security (\$0.5M)**

This project is to carry out a study to determine the redundancy of the York Water System and to provide recommendations to improve system security

- **Green Lane / Leslie Street NC Watermain (\$11.2M)**

This project is to construct a new watermain along Green Lane between Yonge Street and Leslie Street and also along Leslie Street between Green Lane and Davis Drive and is required in order to accommodate the population and economic growth in both Newmarket and East Gwillimbury

2011 Capital Business Plan

Water Services

Long Term Outlook

Expenditures

The \$1.55 billion ten year capital plan shows higher expenditures in the first half of the program as most of the major projects are planned to be constructed in the first five years of the ten year program.

Major projects within the first five years include various watermains to strengthen the transmission system to convey lake-based water to northern part of the Region, a new PD8 pumping station in Richmond Hill, extension of York Water System to Kleinburg and King City, upgrade of Mount Albert, Nobleton and Ballantrae water systems and various new storage facilities. Cost shared works with Peel Region and City of Toronto include the Lakeview and Lorne Park water treatment plant expansions in Peel, and the F. J. Horgan water treatment plant expansion in Toronto.

As most of these major projects are completed in the first half of the program, the second half will see more moderate capital expenditures on completion of remaining storage facilities and expansion of transmission systems in East Gwillimbury.

In the longer term, capital expenditures on rehabilitation and replacement projects will take on a larger share of the program costs, as Regional assets age. Replacement costs of specific water assets over the next 10 years are listed below:

Infrastructure	Estimated Quantity	Estimated Replacement Cost (\$Million)
<u>DISCRETE</u>		
Meter/Valve Chamber	33 facilities	\$ 3
Storage Facility	37 facilities	\$10
Well	31 facilities	\$30
Water Pumping Station	16 facilities	\$31
Water Treatment Plant	2 facilities	\$18
 <u>LINEAR</u>		
Transmission Main	271 km	\$20
Total		<u>\$112 Million</u>



2011 Business Plan and Budget
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10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Elevated Tanks	811	417	426	434	443	652	461	470	480	500	5,094
Other Non-Capital Projects	1,256	1,349	3,302	3,354	3,403	4,156	4,942	3,234	3,296	3,800	32,092
Reservoirs	1,442	490	602	614	626	639	396	309	323	445	5,886
Water Meter Chambers	158	226	231	236	240	245	250	255	260	300	2,401
Water Pumping Station	1,737	3,660	2,713	2,768	2,823	2,879	3,937	3,996	4,056	3,000	31,569
Water Treatment Plants	3,191	4,700	5,050	4,130	4,214	4,797	5,183	4,671	4,760	4,700	45,396
Watermain	2,000	1,200	1,707	1,742	1,776	2,212	2,322	1,885	1,923	2,000	18,767
Wells	-	1,000	1,200	1,250	1,250	-	-	-	-	-	4,700
Sub Total Rehabilitation/Replacement	10,595	13,042	15,231	14,528	14,775	15,580	17,491	14,820	15,098	14,745	145,905
Growth/Expansion											
Elevated Tanks	10,931	6,907	9,845	5,420	14,261	11,809	2,906	1,925	2,415	245	66,664
Other - Rehabilitation	250	250	-	-	-	-	-	-	-	-	500
Reservoirs	8,614	6,681	19,972	38,615	45,069	18,089	-	-	-	-	137,040
Third Party Capital	104,577	120,047	116,960	111,071	99,914	90,289	54,075	48,130	16,375	12,778	774,216
Water Meter Chambers	110	1,407	-	-	-	367	9,678	-	-	-	1,517
Water Pumping Station	3,785	5,809	23,876	17,916	436	-	-	12,545	-	-	74,412
Water Treatment Plants	970	15	-	-	-	-	-	-	220	2,220	3,425
Watermain	18,144	47,175	18,634	15,522	11,909	14,215	3,234	4,905	9,075	10,435	153,248
Wells	1,844	734	-	-	-	-	-	-	-	-	2,578
Sub Total Growth/Expansion	149,225	189,025	189,287	188,544	171,589	134,769	69,893	67,505	28,085	25,678	1,213,600
Enhancement/Improvement											
Other Non-Capital Projects	245	-	-	-	-	-	-	-	-	-	245
Sub Total Enhancement/Improvement	245	-	-	-	-	-	-	-	-	-	245



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10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
Total Tangible Capital Assets	160,065	202,067	204,518	203,072	186,364	150,349	87,384	82,325	43,183	40,423	1,359,750
Non-Tangible Capital Assets											
Growth/Expansion											
Elevated Tanks	608	380	-	-	-	-	-	10	50	9,975	11,023
Groundwater Resource Protection	2,324	4,080	3,178	3,302	3,432	3,569	3,712	3,863	4,021	3,887	35,368
Other Non-Capital Projects	4,205	5,000	4,833	4,185	4,185	4,207	4,222	4,185	4,185	2,000	41,207
Planning & Studies	209	400	1,120	500	500	500	650	650	750	550	5,829
Third Party Capital	17,464	-	-	-	-	-	-	-	-	-	17,464
Water Pumping Station	20	50	175	-	-	-	190	790	460	-	1,685
Sub Total Growth/Expansion	24,830	9,910	9,306	7,987	8,117	8,276	8,774	9,498	9,466	16,412	112,576
Enhancement/Improvement											
Other Non-Capital Projects	400	360	125	-	100	250	-	-	-	100	1,335
Watermain	931	610	-	-	-	-	-	-	-	-	1,541
Sub Total Enhancement/Improvement	1,331	970	125	-	100	250	-	-	-	100	2,876
Total Non-Tangible Capital Assets	26,161	10,880	9,431	7,987	8,217	8,526	8,774	9,498	9,466	16,512	115,452
TOTAL GROSS EXPENDITURES	186,226	212,947	213,949	211,059	194,581	158,875	96,158	91,823	52,649	56,935	1,475,202
Total Rehabilitation/Replacement	10,595	13,042	15,231	14,528	14,775	15,580	17,491	14,820	15,098	14,745	145,905
Total Growth/Expansion	174,055	198,935	198,593	196,531	179,706	143,045	78,667	77,003	37,551	42,090	1,326,176
Total Enhancement/Improvement	1,576	970	125	-	100	250	-	-	-	100	3,121
TOTAL GROSS EXPENDITURES	186,226	212,947	213,949	211,059	194,581	158,875	96,158	91,823	52,649	56,935	1,475,202



2011 Business Plan and Budget
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10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
FINANCING											
Reserves	(8,603)	(11,770)	(10,772)	(9,954)	(10,139)	(11,227)	(12,538)	(11,561)	(11,762)	(10,545)	(108,871)
Debtenture Proceeds	(137,503)	(161,183)	(167,848)	(173,774)	(153,789)	(115,743)	(67,127)	(66,130)	(25,960)	(33,188)	(1,102,245)
Development Charges	(33,441)	(33,422)	(27,567)	(19,455)	(22,485)	(23,733)	(7,828)	(7,010)	(7,570)	(5,015)	(187,526)
Grants & Subsidies	-	-	-	-	-	-	-	-	-	-	-
Other Recoveries	(537)	-	-	-	-	-	-	-	-	-	(537)
TOTAL FINANCING	(180,084)	(206,375)	(206,187)	(203,183)	(186,413)	(150,703)	(87,493)	(84,701)	(45,292)	(48,748)	(1,399,179)
USER RATES	(6,142)	(6,572)	(7,762)	(7,876)	(8,168)	(8,172)	(8,665)	(7,122)	(7,357)	(8,187)	(76,023)

2011 Capital Business Plan

Water Services

The 2011 Ten Year Capital Plan includes an incremental Total Project Budget Authority ("TPBA") request of \$243.4M. The following table summarizes the contributions to the TPBA increase.

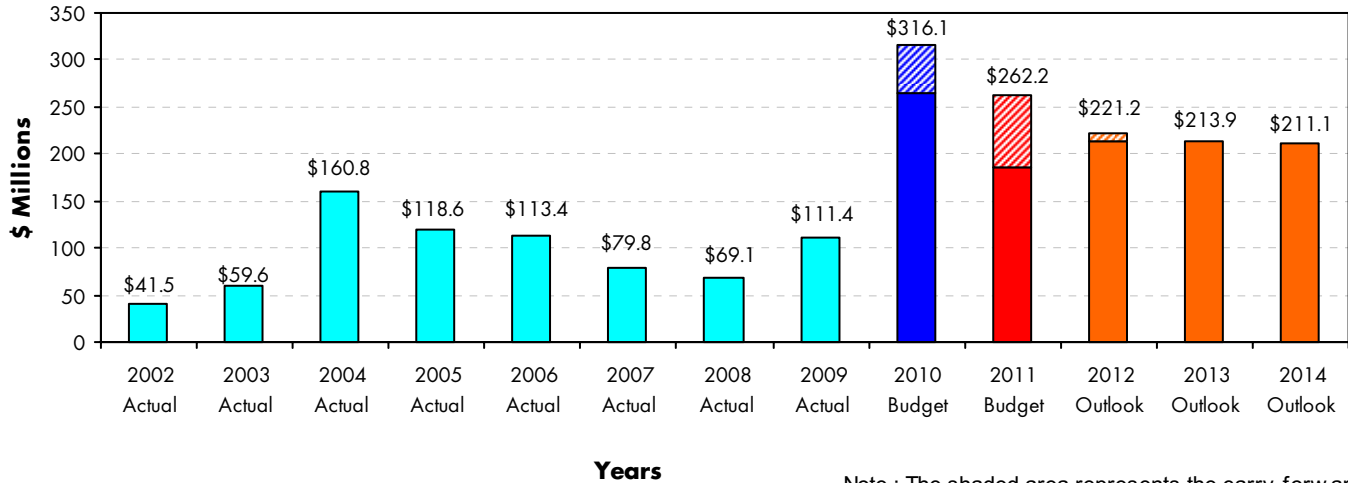
Project	TPBA Increase from 2010 to 2011	Comments
Peel Water Supply - Cost Shared Work (#73790)	\$ 138.0 M	Cost increase for a number of projects including Beckett Sproule feedermain, Hanlan feedermain, Lakeview treatment plant expansion
Toronto Cost Shared Work (#73580)	\$ 27.1 M	Cost increase for a number of watermain projects that now require tunnelling
Yonge, Vandorf, Leslie, Bloomington, Bayview watermain (#76300)	\$ 21.7 M	Cost increase due to more detailed project scoping as additional watermains on Leslie and Vandorf are required.
Various Projects - additional year of spending only	\$ 19.1 M	Additional year of expenditures for approximately 35 water projects.
Peel Water Supply - Buy-in Payments (#73780)	\$ 17.5 M	Funding request in this Budget for buy-in payment due to Peel in 2011 as per the long term water agreement
Aurora East Elevated Tank (#72450)	\$ 9.5 M	Funding request for TPBA in this Budget
Remaining Projects - multi-year approval	\$ 10.5 M	Ten projects with multi-year approval. Increases range from \$31K to \$3.4 M.
Total:	\$ 243.4 M	

2011 Capital Business Plan

Water Services

Capital Program Cost History

Water



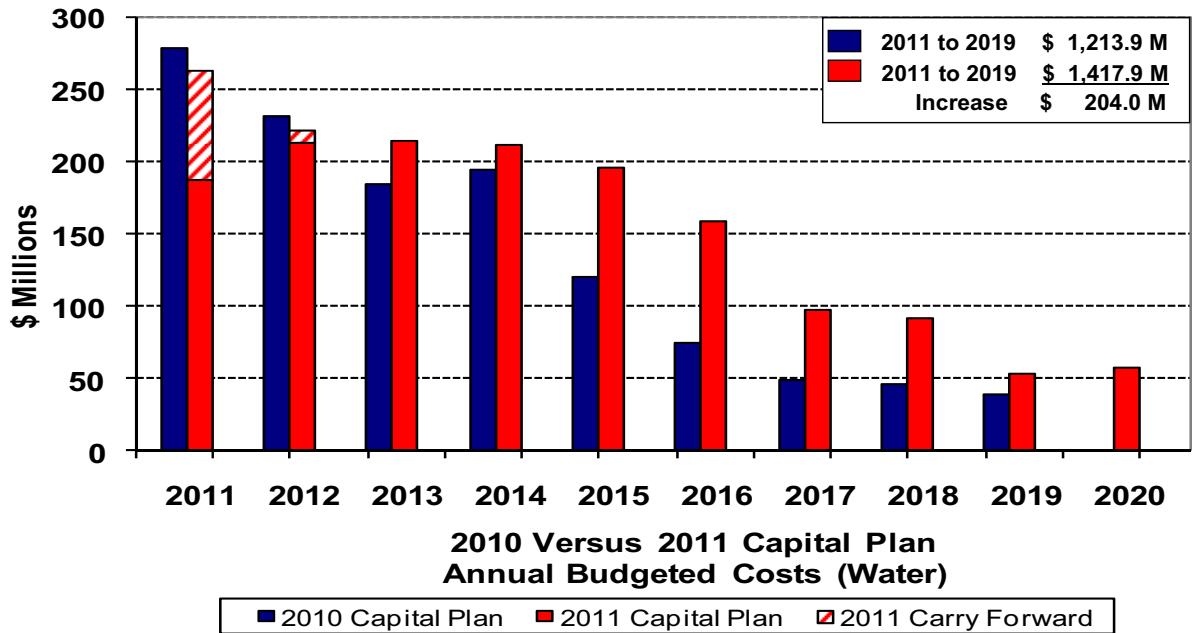
Major progress made in 2010 to augment water systems in communities outside the York Water System, with construction of most projects either completed or commenced with completion slated for 2011

- Secured provincial approval for intra-basin transfer up to 105MLD
- Completed Schomberg Water Supply project
- Completed Yonge Street watermain (between Jefferson Sideroad and Old Colony Road)
- Started construction of Leslie Street watermain in Aurora/Newmarket
- Started construction of Woodbine Avenue watermain project in Keswick
- Started construction of Kennedy Road watermain
- Started construction of King City water supply works
- Started construction of Kleinburg water supply works
- Started construction of Nobleton water supply works
- Commenced EA for the West Richmond Hill Pumping Station
- Commenced EA for the Aurora East Storage Facility
- Commenced Long Term Water Efficiency Conservation Strategy
- Completed cost-shared works with Toronto totalling \$61M
- Completed cost-shared works with Peel totalling \$73M

2011 Capital Business Plan Water Services

2010 Plan vs. 2011 Plan

Gross Costs Comparison (2011 to 2019)



2011 Capital Business Plan

Water Services

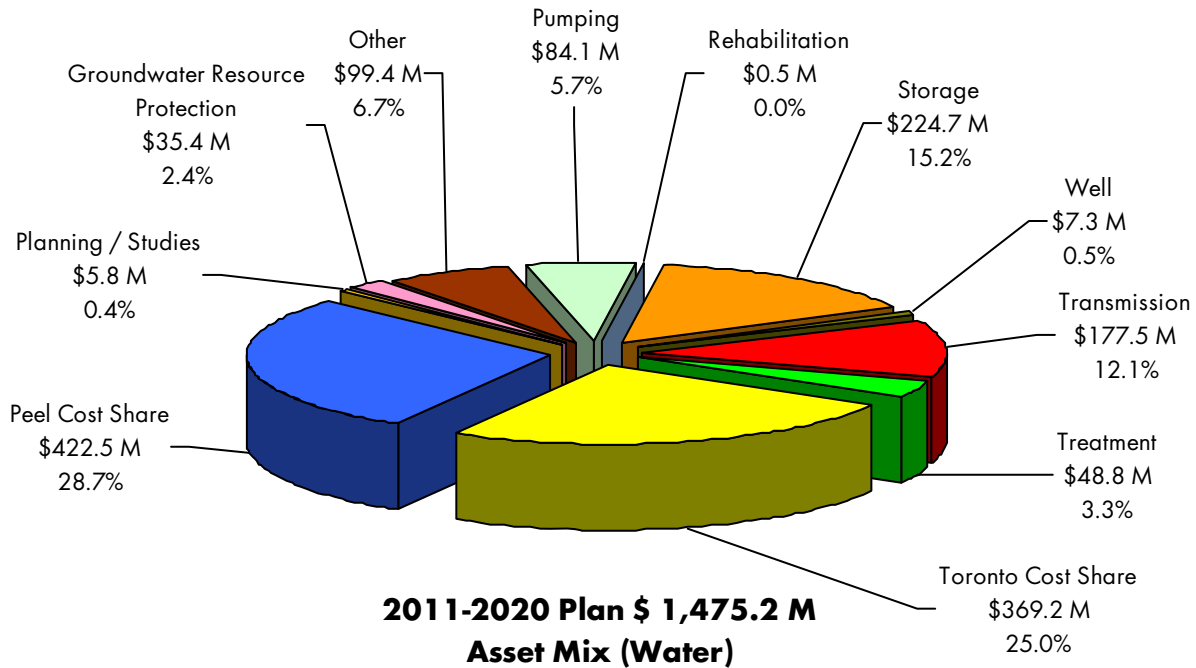
Explanation of Cost Increase

Comparison of the 2010 and 2011 plans above shows an increase in cost of \$204M between 2011 and 2019. The following table summarizes major projects accounting for the cost increase:

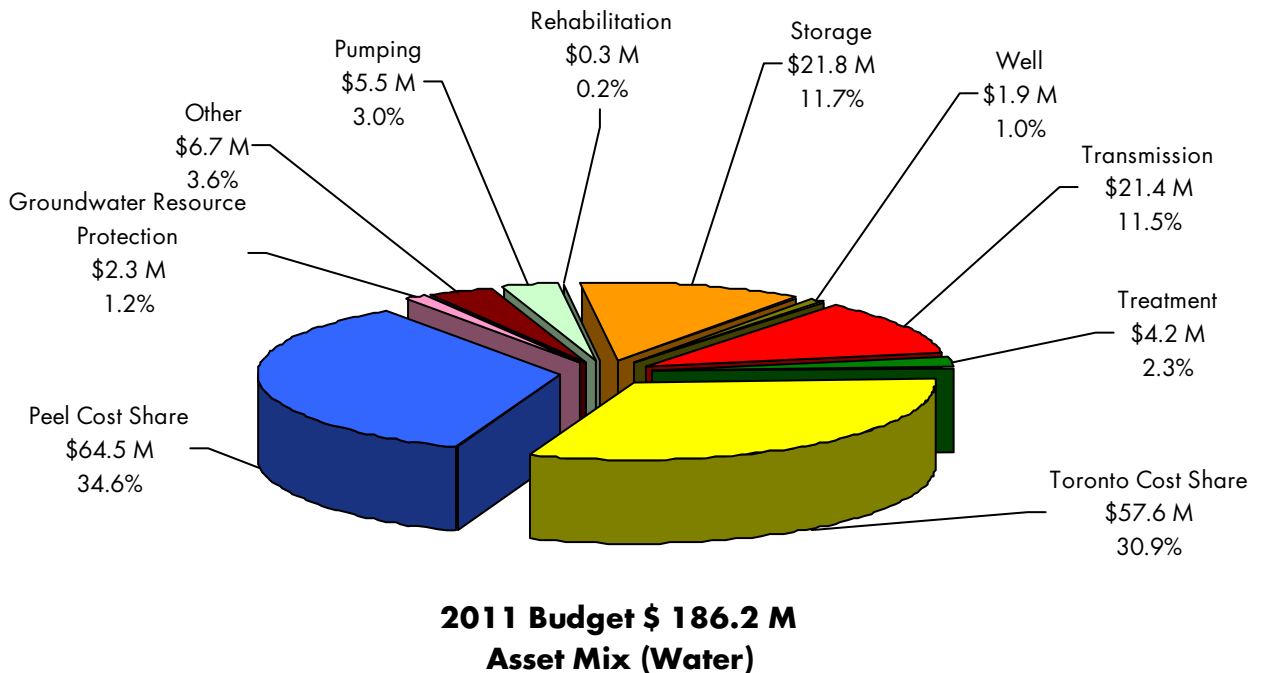
Project	2010 Plan Total Budgeted Cost 2011-2019	2011 Plan Total Budgeted Cost 2011-2019	Difference
Peel Water Supply - Cost Shared Work (#73790)	\$267M	\$405M	\$138M Updated budget to reflect current cost increases in some major projects including Beckett Sproule feedermain, Hanlan feedermain, Lakeview treatment plant expansion and Airport Road pumping station upgrade.
Yonge, Vandorf, Leslie, Bloomington, Bayview watermain (#76300)	\$21M	\$43M	\$22M Cost increase due to more detailed project scoping as additional watermains on Leslie and Vandorf are required.
GWS Water Servicing (#72200)	\$7M	\$16M	\$9M Updated budget to reflect additional project scope.
PD6 Nashville Rd Watermain - Huntington to Highway 27 (#72520)	-	\$7M	\$7M New project introduced as part of the 2011 Capital Budget process.
Toronto Cost Shared Work (#73580)	\$349M	\$356M	\$7M
Richmond Hill (Pugsley) Pumping Station Capacity Upgrade (#75620)	-	\$7M	\$7M New project introduced as part of the 2011 Capital Budget process.
Various Projects with increases	\$259M	\$303M	\$44M Increases in 37 projects ranging from \$1K to \$4.7M
Various Projects with decreases	\$248M	\$233M	(\$15M) Decreases in 13 projects ranging from (\$1K) to (\$6.2M)
Deleted Projects	\$15M	-	(\$15M) Projects no longer required.
Projects that received funding increase approval by Council, subsequent to approval of the 2010 Ten Year Capital Plan			
TO Supply - Kennedy Watermain (#74260)	\$13M	\$47M	\$34M Approval of additional project costs received via Council report in September 2010.

2011 Capital Business Plan Water Services

10 Year Capital Plan – Asset Mix



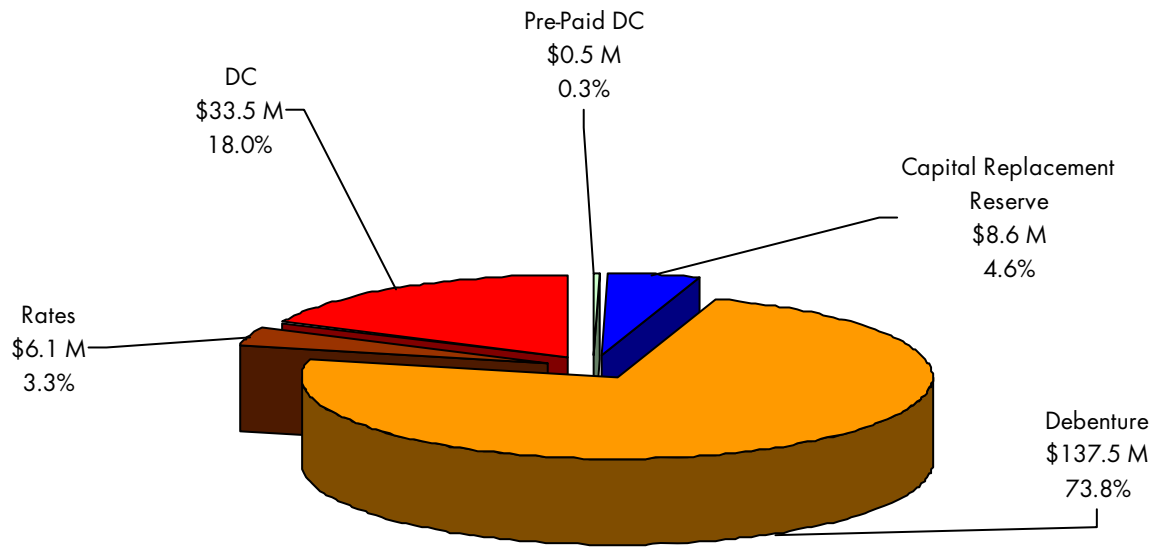
2011 Budget – Asset Mix



2011 Capital Business Plan

Water Services

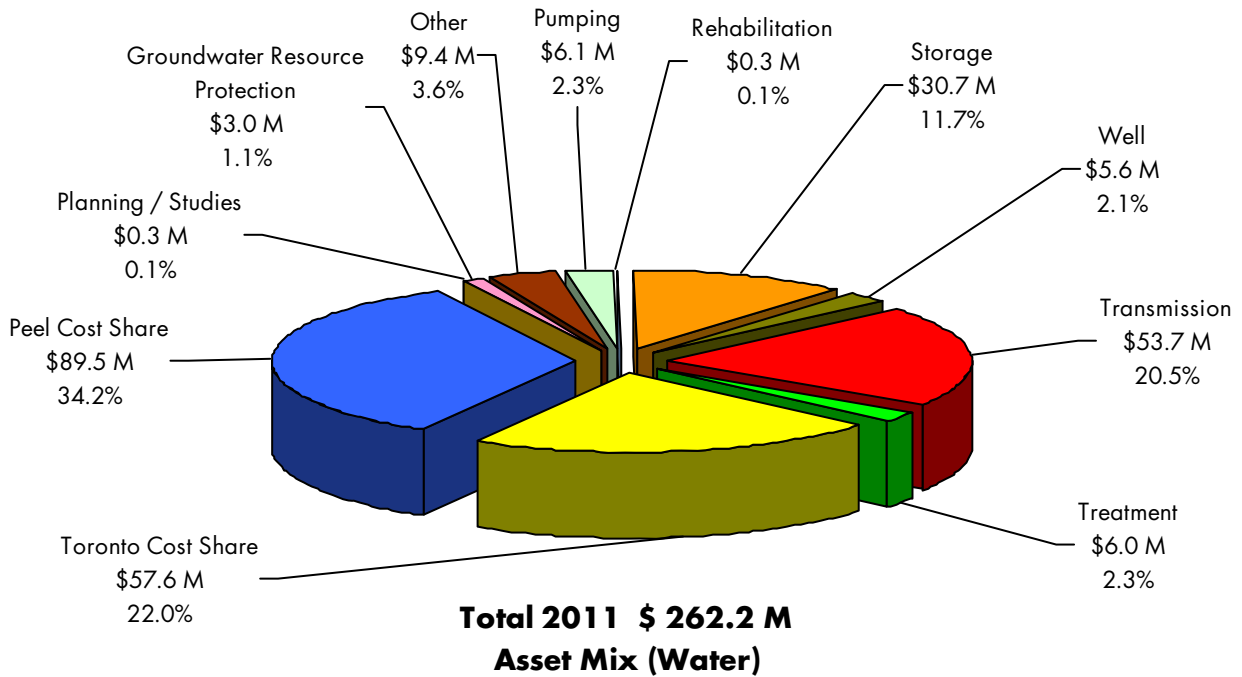
2011 Budget – Cash Flow Sources



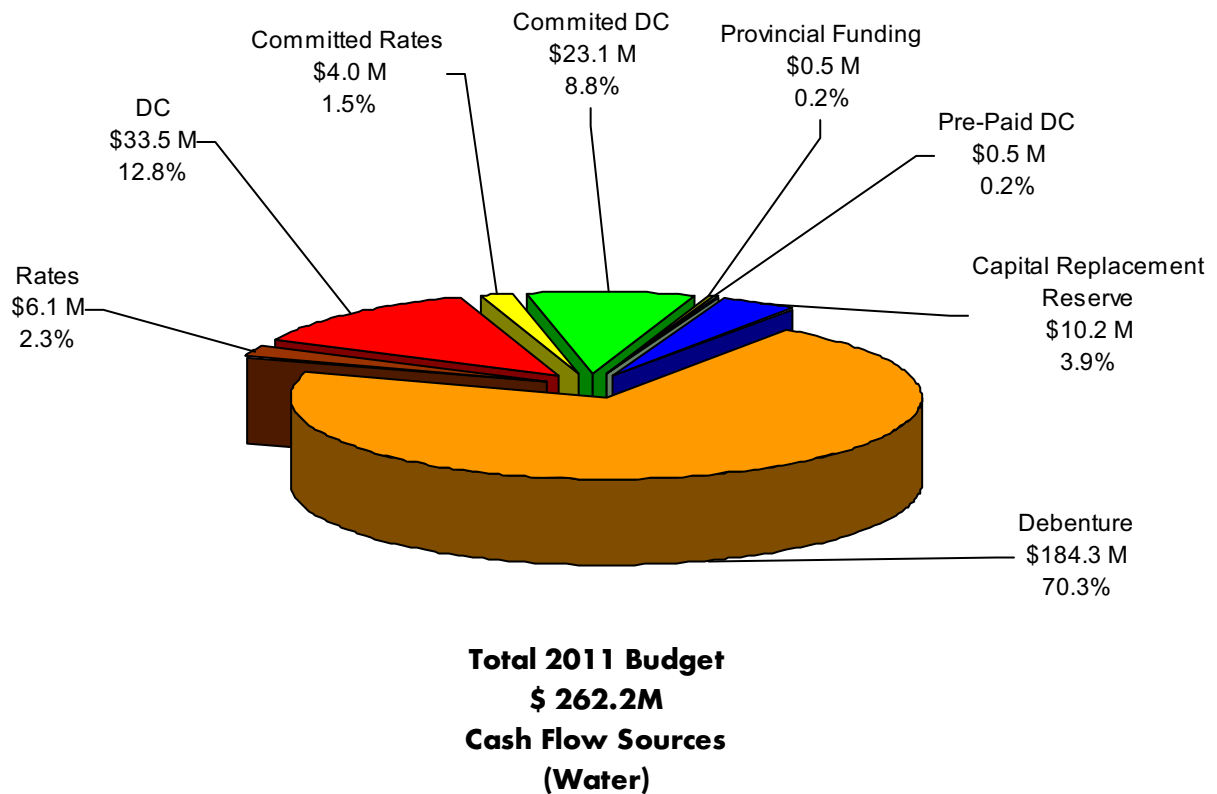
2011 Budget
\$ 186.2 M
Cash Flow Sources
(Water)

2011 Capital Business Plan Water Services

Total 2011 Budget – Asset Mix (Incl. Carry Forward)



Total 2011 Budget – Cash Flow Sources (Incl. Carry Forward)





2011 Business Plan and Budget
Environmental Services
Water Services

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	-	-	-	26	36	73	96	112	114	117
Debt Repayment	-	-	-	-	3,360	10,281	12,695	17,512	19,489	19,482
Replacement Reserve Contribution	-	46	105	392	897	1,807	2,633	3,253	3,484	3,484
Other Costs	-	6	19	94	121	248	353	460	470	479
Total Gross Costs	-	52	123	511	4,414	12,409	15,777	21,338	23,557	23,561
Revenues										
DC on Debt	-	-	-	-	(3,360)	(10,261)	(12,675)	(17,492)	(19,469)	(19,462)
Total Revenues	-	-	-	-	(3,360)	(10,261)	(12,675)	(17,492)	(19,469)	(19,462)
Total Net Cost (Tax Levy)	-	52	123	511	1,054	2,148	3,102	3,846	4,088	4,099

2011 Capital Business Plan

Water Services

Pressures of Net Operating Impact of New Capital Projects

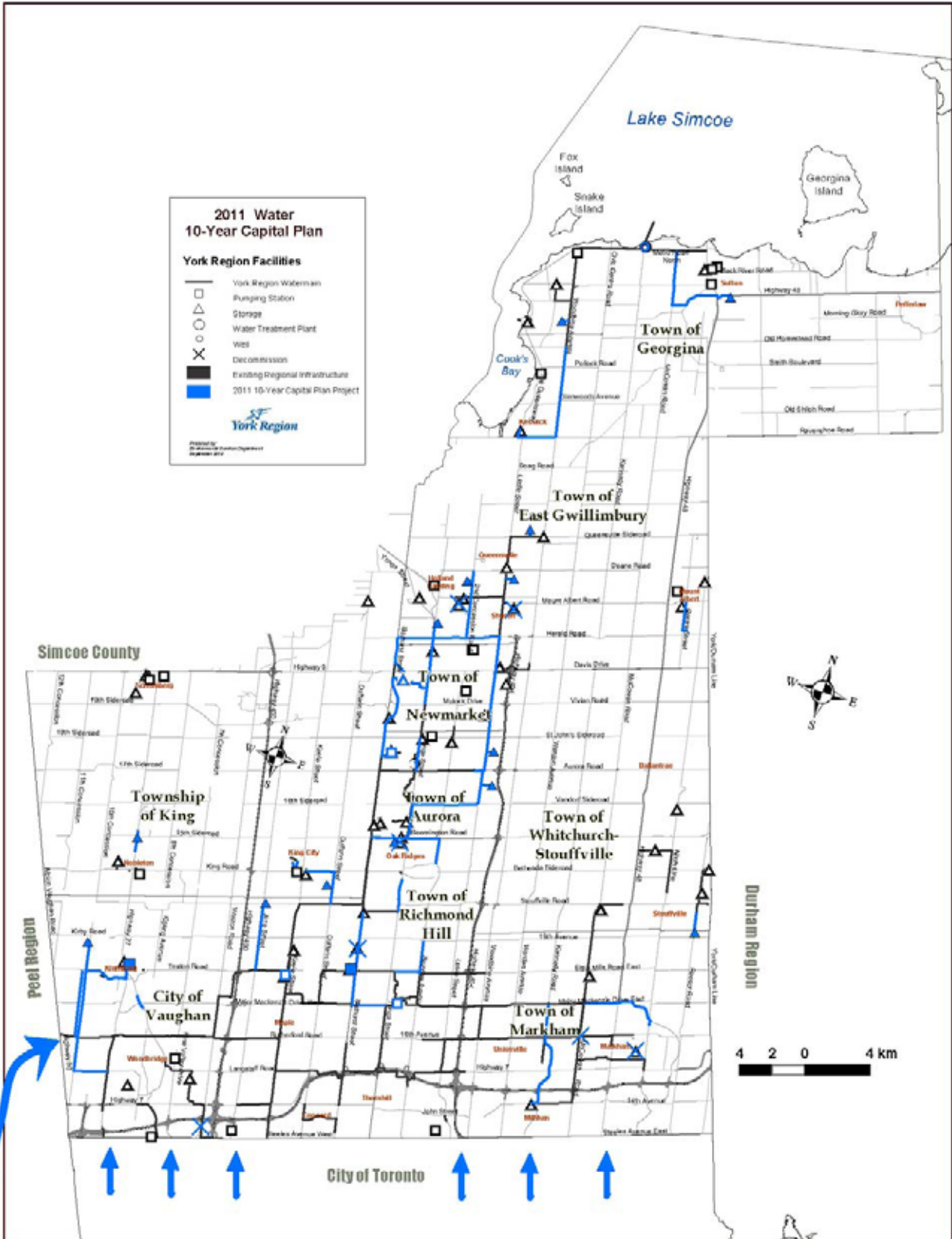
Major infrastructure to be constructed through this ten year capital program is summarized below:

Year	No. of new storage facilities	No. of new pumping stations	New wells	New watermains (km)
2011	4	1	1	25
2012	1		2	12
2013	1			2
2014		1		5
2015	2		2	22
2016	3			16
2017	1			2
2018				
2019	1			1
2020				
Total	13	2	5	85 (KM)

2011 Capital Business Plan Water Services

Appendix

Capital Projects Map





2011 Business Plan and Budget
Environmental Services
Water Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
78500	Water General	806	-	-	-	-	-	806
78510	Surface Water Treatment	2,964	-	-	-	-	-	2,964
78511	Ground Water Treatment	227	-	-	-	-	-	227
78512	Pumping Water	1,737	-	-	-	-	-	1,737
78514	Storage Elevated Tank	811	-	-	-	-	-	811
78516	Storage Reservoir	1,442	-	-	-	-	-	1,442
78517	Meter Chamber Water	158	-	-	-	-	-	158
78519	Transmission Main	2,000	-	-	-	-	-	2,000
78540	Supervisory Control and Data Acquisition (SCADA) Communication Network Water	430	-	-	-	-	-	430
78563	Technology Integration Water	20	-	-	-	-	-	20
Sub Total Rehabilitation/Replacement		10,595	-	-	-	-	-	10,595
Growth/Expansion								
70050	Leslie St. Watermain (WM)	(2,536)	(1,052)	-	-	-	3,588	-
70120	Orchard Heights Pumping Station (PS) and Kirby Pumping Station (PS) Upgrade	(2,766)	(3,578)	3,825	2,520	-	-	1



2011 Business Plan and Budget
Environmental Services
Water Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
71180	Queensville Elevated Tank No. 1	(771)	770	-	-	-	-	(1)
71200	New Production Well-Mount Albert Well 3	671	-	-	-	-	-	671
72170	Georgina Water Supply (GWS)-Keswick North Elevated Tank (ET) and Connecting Watermain to Woodbine Av	2,037	(6)	-	-	-	-	2,031
72180	Georgina Water Supply (GWS) - Woodbine and Ravenshoe Watermain (WM) (Church St-Keswick Tank)	2,802	560	-	-	-	-	3,362
72200	Georgina Water Supply (GWS) - Sutton Water Servicing	600	-	-	-	-	-	600
72450	Aurora Elevated Tank (related to project 70050)	145	1,310	8,018	-	-	-	9,473
72490	East Gwillimbury Water Meter Chambers	110	-	-	-	-	-	110
72500	ISF Georgina Water Supply (GWS) Georgina Water Treatment Plant (WTP) Phase 2	600	15	-	-	-	-	615
72510	York Water System Security	250	-	-	-	-	-	250
72520	PD6 Nashville Road Watermain-Huntington to the Kleinburg Elevated Tank	10	-	-	-	-	-	10
73160	Nobleton - Additional Water Supply and Watermain (WM) to Town	1,173	734	-	-	-	-	1,907
73210	King City Elevated Tank and Watermain (WM) from Elevated Tank (ET) to town	621	-	-	-	-	-	621



2011 Business Plan and Budget
Environmental Services
Water Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
73580	Toronto Cost Shared Work - 2005 Water Supply Agreement	(25,227)	(23,030)	3,138	6,199	8,357	57,687	27,124
73790	Peel Water Supply - Cost-Shared Work	(35,000)	9,584	14,827	36,025	39,170	73,464	138,070
74210	PD6 Markham Bypass	(2,000)	2,000	-	-	-	-	-
74260	Toronto Supply - Kennedy Watermain (WM) - Milliken (PS) to Major Mack	(12,826)	(2,174)	15,000	-	-	-	-
75390	PD5 Huntington WM and Reservoir	590	-	-	-	-	-	590
75400	PD8 West Richmond Hill (RH) Pumping Station (PS) and Watermain	491	-	-	-	-	-	491
75420	PD7 Maple Pumping Station (PS) Upgrade and Flowmeter	(110)	898	4	3	-	-	795
75440	Yonge to Woodspring Watermain (WM)	10	-	-	-	-	-	10
75450	Glenway Reservoir Expansion	302	-	-	-	-	-	302
75460	Yonge Street Watermain from Gladman to Green Lane	268	-	-	-	-	-	268
75480	Newmarket West Yonge Elevated Tank (ET) and Yonge Watermain (WM)	49	-	-	-	-	-	49
75490	Bathurst/Green Lane/ Yonge Watermain	222	-	-	-	-	-	222
75510	Second Concession Watermain	10	-	-	-	-	-	10
75530	PD7 Vaughan Watermain and Reservoir	149	-	-	-	-	-	149
75590	Wellington Reservoir and Watermain	70	-	-	-	-	-	70
75620	Richmond Hill (Pugsley) Pumping Station (PS) Capacity Upgrade	320	-	-	-	-	-	320



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
76120	PD7 Elgin Mills (Enford to Bayview)	(1,832)	832	1,725	-	-	-	725
76290	Bathurst Watermain (WM) (Elgin Mills Rd. to N Richmond Hill Reservoir & Gamble Rd. to Jefferson Rese	(1,624)	1,624	-	-	-	-	-
76300	N. Richmond Hill Elevated Tank (ET) No. 2 and Yonge Vandorf Bloomington Bayview Watermain (WM)	5,653	3,792	7,671	2,536	2,067	-	21,719
77480	Kleinburg - Additional Water Supply watermain	(2,069)	2,069	-	-	-	-	-
78180	Ballantrae - New Production Well and Watermain (WM) to Town	(3,383)	-	-	-	-	-	(3,383)
Sub Total Growth/Expansion		(72,991)	(5,652)	54,208	47,283	49,594	134,739	207,181
Enhancement/Improvement								
75610	ISF Water and Wastewater Instrumentation and Control Equipment	245	-	-	-	-	-	245
Sub Total Enhancement/Improvement		245	-	-	-	-	-	245
Total Tangible Capital Assets		(62,151)	(5,652)	54,208	47,283	49,594	134,739	218,021
Non-Tangible Capital Assets								
Growth/Expansion								
71260	Decommission Sharon Elevated Tank	10	-	-	-	-	-	10
72150	Water Conservation Authority (CA) Joint Ground Water Initiative	2,091	-	-	-	-	-	2,091
72390	Water for Tomorrow Program	4,205	-	-	-	-	-	4,205



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Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
73300	Water Master Plan Update	159	-	-	-	-	-	159
73780	Peel Water Supply - "Buy-in" Payments	17,464	-	-	-	-	-	17,464
73890	Source Water Protection	233	-	-	-	-	-	233
74170	Decommission of Wooten Way Elevated tank	598	-	-	-	-	-	598
74220	Decommission Markham Pumping Station (PS)	20	-	-	-	-	-	20
79670	Water System Capacity Assessment	50	-	-	-	-	-	50
Sub Total Growth/Expansion		24,830	-	-	-	-	-	24,831
Enhancement/Improvement								
73610	Transmission Operations Optimizer	931	610	-	-	-	-	1,541
73920	Capital Delivery Process Improvements - Water	250	-	-	-	-	-	250
75540	Water Model Calibration	150	-	-	-	-	-	150
Sub Total Enhancement/Improvement		1,331	610	-	-	-	-	1,941
Total Non-Tangible Capital Assets		26,161	610	-	-	-	-	26,772
TOTAL GROSS EXPENDITURES		(35,990)	(5,042)	54,208	47,283	49,594	134,739	244,793



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
(in \$000's)					
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
Rehabilitation/Replacement					
78500	Water General	Water systems management ensures that knowledgeable decisions are made about Water assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	744	1,550	806
78510	Surface Water Treatment	Surface Water Treatment management ensures that knowledgeable decisions are made about Surface Water Treatment assets and that the lifecycle of these assets is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	276	3,240	2,964
78511	Ground Water Treatment	Ground Water Treatment management ensures that knowledgeable decisions are made about Ground Water Treatment assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	615	842	227



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
78512	Pumping Water	Water Pumping systems management ensures that knowledgeable decisions are made about Water Pumping assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	538	2,275	1,737
78514	Storage Elevated Tank	Storage Elevated Tank management ensures that knowledgeable decisions are made about Storage Elevated Tank assets and that the lifecycle is adequately and responsibly managed right through to capital replacement . Additional year of ongoing expenditures.	409	1,220	811
78516	Storage Reservoir	Storage Reservoir management ensures that knowledgeable decisions are made about Storage Reservoir assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	578	2,020	1,442
78517	Meter Chamber Water	Meter Chamber management ensures that knowledgeable decisions are made about Meter Chamber assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	222	380	158
78519	Transmission Main	Transmission Main management ensures that knowledgeable decisions are made about Transmission Main assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	441	2,441	2,000



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
78540	Supervisory Control and Data Acquisition (SCADA) Communication Network Water	SCADA Communication Network management ensures that knowledgeable decisions are made about SCADA assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of ongoing expenditures.	150	580	430
78563	Technology Integration Water	As the Department becomes more aware of business requirements and service levels, data management and information system improvement projects become more evident in terms of their need to support the business. This program provides the platform on which to drive continuous improvement for data and information system management and ensures the implementation of integration needs relating to existing technology. Additional year of ongoing expenditures.	240	260	20
Sub Total Rehabilitation/Replacement					10,595
Growth/ Expansion					
71200	New Production Well-Mount Albert Well 3	Design and construction of a new production well to service Mount Albert (projected growth), to service up to 5,700 people by 2011. Location of site to be determined by EA. Increase required to complete construction.	5,632	6,303	671



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Project #	Project Name	Project Description / Change Explanation	(in \$000's)		
			2010 Approved TPBA	2011 Approved TPBA	New TPBA 2011-2021
72170	Georgina Water Supply (GWS) - Keswick N. ET and Connecting Watermain to Woodbine Avenue	Planning, design and construction of a new storage tank near Woodbine Ave. and Old Homestead Rd. and the connecting 500mm watermain to Woodbine Avenue (approximately 400 m in length). In year approval received for \$6.7M in September 2010. Additional \$2M reflects revised construction estimates received prior to tender release. Reasons for the increase in the estimate are a result of a more detailed design, inflation of construction and labour costs coupled with a number of scope changes to deliver a design to meet current York Region standards.	6,678	8,709	2,031
72180	Georgina Water Supply (GWS) - Woodbine and Ravenshoe Watermain (WM) (Church St-Keswick Tank)	Planning, design and construction of a transmission watermain to connect the existing stub at Woodbine and Church to the Keswick Tank on West Park Heights. Increases due to poor soil conditions, multiple tenders & environmental compensation.	18,925	22,287	3,362
72200	Georgina Water Supply (GWS) - Sutton Water Servicing	Carry out Class EA, Detailed Design, and Construction Administration for 400mm diameter watermain expansion from existing Regional watermain system located at Metro Road North to the new proposed storage facility located near Highway 48 in the Town of Georgina. The final route of the expanded watermain systems and the need for a new storage facility will be determined during the Class EA process. Increase due to additional year of design. Project is currently at consultant selection stage.	254	854	600



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
72450	Aurora Elevated Tank (related to project 70050)	Construction of an elevated tank near Leslie St., south of St. John's Sdrd. Elevated tank component of project 70050 removed because watermain component needs to be advanced and the time required to construct the elevated tank may delay the process. Increase now include construction costs in approval amount.	420	9,893	9,473
72490	East Gwillimbury Water Meter Chambers	2 - 2 way revenue meters and chambers to be constructed at the East Gwillimbury / Newmarket boundary. Increase due to additional year of design.	770	880	110
72500	ISF Georgina Water Supply (GWS) Georgina WTP Phase 2	This work includes the phased construction of a new water treatment plant to service the Keswick and Sutton area to a final capacity of 50,000 cu. m per day. The current phase 2 expansion will increase the plant capacity from 20 MLD to 30MLD. Actual tenders prices higher than original estimates.	7,570	8,185	615
73160	Nobleton - Additional Water Supply and Watermain (WM) to Town	Development of additional water supply wells to service Nobleton. Also includes design and construction of watermains from proposed wells 4 & 5 to Nobleton. Length and alignment of watermain will be determined from the EA. 2011 request to include full construction costs.	8,513	10,420	1,907
73210	King City Elevated Tank (ET) and Watermain (WM) from ET to town	New elevated tank for King City including connecting watermain. Increase to complete construction of new elevated tank and connecting watermain.	6,364	6,985	621



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
73790	Peel Water Supply - Cost-Shared Work	Cost sharing of works carried out by Peel to supply water to York Region as identified by the 2001 York/Peel Agreement. Cost increases for a number of projects including Beckett Sproule feedermain, Hanlan feedermain, Lakeview treatment plant expansion; some change in scope; updated cost estimates and change in cost share percentage for Lakeview.	566,350	704,420	138,070
75390	PD5 Huntington WM and Reservoir	Planning design and construction of approximately 9100m of 750mm diameter watermain and a 43 ML reservoir on Huntington Road. Additional year of design costs.	11	601	590
75400	PD8 West Richmond Hill (RH) Pumping Station (PS) and Watermain	Planning, design and construction of a pumping station to pump water from PD6 to PD8, to relieve pressure on the Pugsley Pumping Station which is operating at capacity. This project includes approximately 4400m of 900mm diameter watermain (Major Mackenzie Drive- Yonge to Bathurst and Bathurst Street- Major Mackenzie to the new West Richmond Hill Pumping Station. This project also includes approximately 1300m of 750mm diameter watermain which runs on Bathurst from the West Richmond Hill Pumping Station to Shaftsbury Drive. Additional year of design costs.	211	702	491



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
75420	PD7 Maple PS Upgrade and Flowmeter	Upgrading the existing Maple PD7 pumping station to provide additional capacity to 68.1 ML/day. This project also includes the installation of a flow meter at the Peel Feedermain upstream of the Maple Reservoir. In year approval for full TPBA up to \$2.2M; \$3M reflects revised construction estimates.	2,205	3,000	795
75440	Yonge to Woodspring Watermain (WM)	Additional year of design costs.	11	21	10
75450	Glenway Reservoir Expansion	Increase due to additional year of design; at consultant selection stage	11	313	302
75460	Yonge Street Watermain from Gladman to Green Lane	New watermain on Yonge Street from Gladman Road to Green Lane. Increase due to additional year of planning.	11	279	268
75480	Newmarket West Yonge Elevated Tank (ET) and Yonge Watermain (WM)	Construction of an Elevated Tank and a Watermain on Yonge Street. Increase due to additional year of planning.	10	59	49
75490	Bathurst/Green Lane/ Yonge Watermain	Increase due to additional year of planning.	11	233	222
75510	Second Concession Watermain	Planning, design and construction of a new watermain on Second Concession to service the East Gwillimbury Central Zone. Increase due to additional year of planning.	79	89	10



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
75530	PD7 Vaughan Watermain and Reservoir	Planning, design and construction of a 12 ML Reservoir and 4.6km of 400mm Watermain to service Vaughan PD7. Increase due to additional year of planning.	11	160	149
76120	PD7 Elgin Mills (Enford to Bayview)	Construction of a watermain on Elgin Mills from Bayview Avenue to Bathurst Street. In year approval to \$7.4M; additional \$0.7M (total \$8.1M) reflects revised construction estimates.	7,363	8,088	725
76300	N. Richmond Hill Elevated Tank (ET) No. 2 and Yonge Vandorf Bloomington Bayview Watermain (WM)	Planning, design and construction of a new elevated tank in Oak Ridges on the site of the existing elevated tank and decommissioning of the existing elevated tank. Project to also include planning, design, and construction of watermains on Bayview Avenue (Lake Rd. to Bloomington), Bloomington Rd (near Bathurst St. to Bayview), Yonge Street (Bloomington Sdrd. to Industrial Parkway S.) and on Vandorf Sideroad (Yonge St. to Leslie), approximately 14.4 km of main. Also includes a pressure reduction station at Yonge Street and Bloomington Sideroad. Budget consists of multiple projects planned for delivery in various years. Cost increase due to more detailed project scoping as individual projects advance as well as additional large diameter watermains added on Leslie, Vandorf requiring multiple tenders that were not included in the previous cost estimate.	32,828	54,547	21,719



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
78180	Ballantrae - New Production Well and Watermain (WM) to Town	Additional well construction in community of Ballantrae for secure water supply and reach the firm capacity. Project EA will complete in July, 2010 and design will complete in Q4 2010. Tender will issue in Q1 2011. Construction will start in Q1, 2011.	9,089	5,706	(3,383)
Sub Total Growth/Expansion			673,327	852,734	179,407
Enhancement/ Improvement					
75610	ISF Water and Wastewater Instrumentation and Control Equipment	Construction of four Supervisory Control and Data Acquisition (SCADA) control panels in accordance with updated and improved SCADA standards and specifications. Additional year of ongoing expenditures.	1,265	1,510	245
Sub Total Enhancement/Improvement					245
Total Tangible Capital Assets					190,247



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
(in \$000's)					
Non-Tangible Capital Assets					
Growth/Expansion					
71260	Decommission Sharon Elevated Tank	Decommissioning of the existing elevated tank in Sharon. Additional year of expenditures for planning; at Consultant Selection Stage.	115	125	10
72150	Water Conservation Authority (CA) Joint Ground Water Initiative	CA projects to improve watershed management and water resource quality. (i) watershed monitoring, (ii) watershed planning, (iii) groundwater management, (iv) Natural Hazard mapping, (v) flood forecasting/warning. Additional year of ongoing expenditures.	10,473	12,564	2,091



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
72390	Water for Tomorrow Program	<p>Identified in the Water Use Efficiency Master Plan. Update to be included in the Water for Tomorrow Program. This program will offer residents and businesses rebates on water efficient devices such as toilets and washing machines as well as free installation of kitchen faucet aerators and pre rinse spray valves.</p> <p>This program includes: broadscale education, Grade 7 curriculum, Children's Water Festival, Water Efficient Landscape seminars and audits, public events, websites, etc. This program will identify leakage within the municipal distribution system through temporary district meter areas. This program will offer free water use audits and a capacity buy back option to large volume water clients in the ICI sector should they replace existing processes with the water efficient processes identified in the audit. Additional year of ongoing expenditures.</p>	9,556	13,761	4,205
73300	Water Master Plan Update	<p>Update Water System Master Plan, including periodic updates and support to the Master Plan. Additional year of ongoing expenditures.</p>	1,085	1,244	159
73580	Toronto Cost Shared Work - 2005 Work Supply Agreement	<p>Cost sharing of works carried out by Toronto supply water to York Region. Projects are identified by the Joint Optimization Study between York and Toronto. Additional costs due to requirement to tunnel under city streets that was not provided for in previous cost estimates.</p>	472,034	499,158	27,124



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
73780	Peel Water Supply - "Buy-in" Payments	This project is set up to account for paying for the use of existing Peel infrastructure. Funding request in this Budget for buy-in payment due to Peel in 2011 as per the long term water agreement.	34,928	52,392	17,464
73890	Source Water Protection	To develop, implement and maintain aquifer/source protection plans for York Region and local municipalities, including aquifer monitoring. Additional year of ongoing expenditures.	4,629	4,862	233
74170	Decommission of Wooten Way Elevated tank	Decommissioning of an elevated tank on Wooten Way in Markham. Additional year of expenditures to decommission ET.	225	823	598
79670	Water System Capacity Assessment	Program to assess existing and future capacity, and monitor water capacity. Includes model support contract and various hydraulic model support assignments. Additional year of ongoing expenditures.	10,386	10,436	50
Sub Total Growth/Expansion					51,934



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
			(in \$000's)		
Enhancement/ Improvement					
73610	Transmission Operations Optimizer	A coordinated project with the City of Toronto to optimize energy requirements for the transmission of water to and within York Region. Out Year Approval requested in 2011; out-years not previously included.	5,037	6,578	1,541
73920	Capital Delivery Process Improvements - Water	This Budget is for Continuous Improvement Initiatives for Capital Delivery Process Improvements - Water. Additional year of ongoing expenditures.	2,101	2,351	250
75540	Water model Calibration	Additional year of ongoing expenditures.	100	250	150
Sub Total Enhancement/Improvement					1,941
Total Non-Tangible Capital Assets					53,875
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA					244,122



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Project #	Project Name	Project Description / Change Explanation	2011 New Total Project Budget Authority Explanations		
			2010 Approved TPBA	2011 Approved TPBA	New TPBA 2011-2021
(in \$000's)					
<u>New Projects Introduced to 2011 TPBA</u>					
Tangible Capital Assets					
Growth/ Expansion					
72510	York Water System Security	To carry out a study to determine the redundancy of the York water system and provide recommendations to improve system security.	-	250	250
72520	PD6 Nashville Road Watermain-Huntington to the Kleinburg Elevated Tank	New 600mm PD6 watermain on Nashville Road from Huntington Road to Highway 27.	-	10	10
75590	Wellington Reservoir and Watermain	Increase due to additional year of planning.	-	70	70
75620	Richmond Hill (Pugsley) Pumping Station (PS) Capacity Upgrade	Upgrades to the Richmond Hill PS including replacement of the four (4) pumps	-	320	320
Sub Total Growth/Expansion					650
Total Tangible Capital Assets					650



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2021
(in \$000's)					
Non-Tangible Capital Assets					
Growth/Expansion					
74220	Decommission Markham Pumping Station (PS)	Decommissioning of the existing pumping station east of McCowan Road, north of 16th Ave. Not full TPBA; first year of expenditures; project planning phase.	-	20	20
Sub Total Growth/Expansion					20
Total Non-Tangible Capital Assets					20
TOTAL NEW PROJECTS INTRODUCED TO 2011 TPBA					670
TOTAL GROSS EXPENDITURES					244,793

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Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Rate Supported									
70050	Leslie St. Watermain (WM)	-	-	-	-	265	-	(265)	-
70120	Orchard Heights Pumping Station (PS) and Kirby Pumping Station (PS) Upgrade	1	-	-	-	416	-	(415)	-
71180	Queensville Elevated Tank No. 1	(1)	-	-	-	284	-	(285)	-
71200	New Production Well-Mount Albert Well 3	671	-	-	-	134	-	-	537
71260	Decommission Sharon Elevated Tank	10	-	-	-	10	-	-	-
72150	Water Conservation Authority (CA) Joint Ground Water Initiative	2,091	-	-	-	-	-	2,091	-
72170	Georgina Water Supply (GWS)-Keswick North Elevated Tank (ET) and Connecting Watermain to Woodbine Av	2,031	-	-	-	2,325	-	(294)	-
72180	Georgina Water Supply (GWS) - Woodbine and Ravenshoe Watermain (WM) (Church St-Keswick Tank)	3,362	-	-	3,362	-	-	-	-
72200	Georgina Water Supply (GWS) - Sutton Water Servicing	600	-	-	-	600	-	-	-
72390	Water for Tomorrow Program	4,205	-	-	-	4,205	-	-	-
72450	Aurora Elevated Tank (related to project 70050)	9,473	-	-	-	9,473	-	-	-
72490	East Gwillimbury Water Meter Chambers	110	-	-	-	110	-	-	-
72500	ISF Georgina Water Supply (GWS) Georgina Water Treatment Plant (WTP) Phase 2	615	-	-	-	634	-	(19)	-

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Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
72510	York Water System Security	250	-	-	-	-	-	250	-
72520	PD6 Nashville Road Watermain- Huntington to the Kleinburg Elevated Tank	10	-	-	-	10	-	-	-
73160	Nobleton - Additional Water Supply and Watermain (WM) to Town	1,907	-	-	-	1,907	-	-	-
73210	King City Elevated Tank and Watermain (WM) from Elevated Tank (ET) to town	621	-	-	-	621	-	-	-
73300	Water Master Plan Update	159	-	-	-	159	-	-	-
73580	Toronto Cost Shared Work - 2005 Water Supply Agreement	27,125	-	-	27,125	-	-	-	-
73610	Transmission Operations Optimizer	1,541	-	-	-	-	-	1,541	-
73780	Peel Water Supply - "Buy-in" Payments	17,464	-	-	17,464	-	-	-	-
73790	Peel Water Supply - Cost-Shared Work	138,070	-	-	138,070	-	-	-	-
73890	Source Water Protection	233	-	233	-	-	-	-	-
73920	Capital Delivery Process Improvements - Water	250	-	-	-	-	-	250	-
74170	Decommission of Wooten Way Elevated tank	598	-	-	-	598	-	-	-
74210	PD6 Markham Bypass	-	-	-	-	609	-	(609)	-
74220	Decommission Markham Pumping Station (PS)	20	-	-	-	20	-	-	-
74260	Toronto Supply - Kennedy WM - Milliken PS to Major Mack	-	-	-	(1,700)	1,732	-	(32)	-
75390	PD5 Huntington WM and Reservoir	590	-	-	590	-	-	-	-

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Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
75400	PD8 West RH PS and Watermain	491	-	-	491	-	-	-	-
75420	PD7 Maple PS Upgrade and Flowmeter	795	-	-	795	-	-	-	-
75440	Yonge to Woodspring Watermain (WM)	10	-	-	10	-	-	-	-
75450	Glenway Reservoir Expansion	302	-	-	302	-	-	-	-
75460	Yonge Street Watermain from Gladman to Green Lane	268	-	-	268	-	-	-	-
75480	Newmarket West Yonge Elevated Tank (ET) and Yonge Watermain (WM)	49	-	-	-	49	-	-	-
75490	Bathurst/Green Lane/ Yonge Watermain	222	-	-	222	-	-	-	-
75510	Second Concession Watermain	10	-	-	10	-	-	-	-
75530	PD7 Vaughan Watermain and Reservoir	149	-	-	149	-	-	-	-
75540	Water Model Calibration	150	-	-	-	-	-	150	-
75590	Wellington Reservoir and Watermain	70	-	-	-	70	-	-	-
75610	ISF Water and Wastewater Instrumentation and Control Equipment	245	-	-	-	-	-	245	-
75620	Richmond Hill (Pugsley) Pumping Station (PS) Capacity Upgrade	320	-	-	-	320	-	-	-
76120	PD7 Elgin Mills (Enford to Bayview)	725	-	-	-	1,070	-	(345)	-
76290	Bathurst Watermain (WM) (Elgin Mills Rd. to N Richmond Hill Reservoir & Gamble Rd. to Jefferson Reservoir)	-	-	-	-	280	-	(280)	-
76300	N. Richmond Hill Elevated Tank (ET) No. 2 and Yonge Vandorf Bloomington Bayview W/M	21,719	-	-	21,719	-	-	-	-

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2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
77480	Kleinburg - Additional Water Supply watermain	-	-	-	-	103	-	(103)	-
78180	Ballantrae - New Production Well and W/M to Town	(3,383)	-	-	-	(3,214)	-	(169)	-
78500	Water General	806	-	-	-	-	-	806	-
78510	Surface Water Treatment	2,964	-	2,964	-	-	-	-	-
78511	Ground Water Treatment	227	-	227	-	-	-	-	-
78512	Pumping Water	1,737	-	1,737	-	-	-	-	-
78514	Storage Elevated Tank	811	-	-	-	-	-	811	-
78516	Storage Reservoir	1,442	-	1,442	-	-	-	-	-
78517	Meter Chamber Water	158	-	-	-	-	-	158	-
78519	Transmission Main	2,000	-	2,000	-	-	-	-	-
78540	Supervisory Control and Data Acquisition (SCADA) Communication Network Water	430	-	-	-	-	-	430	-
78563	Technology Integration Water	20	-	-	-	-	-	20	-
79670	Water System Capacity Assessment	50	-	-	-	50	-	-	-
Total Rate Supported		244,793	-	8,603	208,877	22,840	-	3,936	537
TOTAL FINANCING SOURCES		244,793	-	8,603	208,877	22,840	-	3,936	537



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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Rehabilitation/Replacement															
75550	Yonge St. Aquifer Well Replacements	-	500	-	1,000	1,200	1,250	1,250	-	-	-	-	-	-	5,200
78500	Water General	-	744	806	500	1,813	1,851	1,886	2,325	3,251	2,001	2,044	2,500	-	19,721
78510	Surface Water Treatment	-	276	2,964	2,028	1,354	1,382	1,409	1,537	1,537	1,466	1,495	1,500	-	18,111
78511	Ground Water Treatment	-	615	227	2,000	3,022	2,776	2,832	3,388	3,646	3,205	3,265	3,200	-	28,176
78512	Pumping Water	-	538	1,737	3,660	2,713	2,768	2,823	2,879	3,937	3,996	4,056	3,000	-	32,107
78514	Storage Elevated Tank	-	409	811	417	426	434	443	652	461	470	480	500	-	5,503
78516	Storage Reservoir	-	578	1,442	490	602	614	626	639	396	309	323	445	-	6,464
78517	Meter Chamber Water	-	222	158	226	231	236	240	245	250	255	260	300	-	2,623
78519	Transmission Main	-	441	2,000	1,200	1,707	1,742	1,776	2,212	2,322	1,885	1,923	2,000	-	19,208
78540	Supervisory Control and Data Acquisition (SCADA)	-	150	430	400	500	500	500	600	269	172	176	200	-	3,897
78563	Communication Network Water	-	240	20	200	300	300	300	400	400	300	300	300	-	3,060
78564	Technology Integration Water	-	663	-	249	689	703	717	831	1,022	761	776	800	-	7,211
	Sub Total Rehabilitation/Replacement	-	5,376	10,595	13,042	15,231	14,528	14,775	15,580	17,491	14,820	15,098	14,745	-	151,281
Growth/Expansion															
70050	Leslie St. Watermain (WM)	631	9,061	1,709	-	-	-	-	3,588	-	-	-	-	-	14,989
70120	Orchard Heights Pumping Station (PS) and Kirby Pumping Station (PS) Upgrade	1,163	-	1,059	912	3,825	2,520	-	-	-	-	-	-	-	9,479
71180	Queensville Elevated Tank No. 1	3,901	-	3,079	2,624	-	-	-	-	-	-	-	-	-	9,604
71200	New Production Well-Mount Albert Well 3	4,409	1,223	671	-	-	-	-	-	-	-	-	-	-	6,303
71250	Queensville Tank No. 2	-	-	-	80	50	405	2,805	2,800	2,000	-	-	-	-	8,140



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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
														(in \$000's)	
72140	Georgina Water Supply (GWS) - Georgina Water Treatment Plant (WTP) Phase 3	43,035	-	-	-	-	-	-	-	-	-	220	2,220	-	45,475
72170	Georgina Water Supply (GWS) - Keswick North Elevated Tank (ET) and Connecting Watermain to Woodbine Av	798	-	6,437	1,474	-	-	-	-	-	-	-	-	-	8,709
72180	Georgina Water Supply (GWS) - Woodbine and Ravenshoe Watermain (WM) (Church St-Keswick Tank)	6,305	11,420	4,002	560	-	-	-	-	-	-	-	-	-	22,287
72200	Georgina Water Supply (GWS) - Sutton Water Servicing	104	150	600	1,020	1,200	2,225	5,445	1,580	-	1,925	2,415	245	-	16,909
72450	Aurora Elevated Tank (related to project 70050)	110	310	145	1,310	8,018	-	-	-	-	-	-	-	-	9,893
72490	East Gwillimbury Water Meter Chambers	770	-	110	1,407	-	-	-	-	-	-	-	-	-	2,287
72500	ISF Georgina Water Supply (GWS) Georgina Water Treatment Plant (WTP) Phase 2	7,200	-	970	15	-	-	-	-	-	-	-	-	-	8,185
72510	York Water System Security	-	-	250	250	-	-	-	-	-	-	-	-	-	500
72520	PD6 Nashville Road Watermain-Huntington to the Kleinburg Elevated Tank	-	-	10	450	500	5,750	671	-	-	-	-	-	-	7,381
73160	Nobleton - Additional Water Supply and Watermain (WM) to Town	4,557	3,956	1,173	734	-	-	-	-	-	-	-	-	-	10,420
73210	King City Elevated Tank and Watermain (WM) from Elevated Tank (ET) to town	4,348	2,016	621	-	-	-	-	-	-	-	-	-	-	6,985
73580	Toronto Cost Shared Work - 2005 Water Supply Agreement	62,200	60,729	57,550	48,047	56,960	51,071	39,914	33,289	25,075	28,130	16,375	12,778	7,040	499,158
73790	Peel Water Supply - Cost-Shared Work	201,828	97,565	47,027	72,000	60,000	60,000	60,000	57,000	29,000	20,000	-	-	-	704,420
74210	PD6 Markham Bypass	1,922	-	6,864	5,328	-	-	-	-	-	-	-	-	-	14,114



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
														(in \$000's)	
74260	Toronto Supply - Kennedy Watermain (WM) - Milliken (PS) to Major Mack	5,199	18,699	-	31,827	15,000	-	-	-	-	-	-	-	-	70,725
75390	PD5 Huntington WM and Reservoir	-	11	590	1,241	2,388	12,387	20,646	12,811	-	-	-	-	-	50,074
75400	PD8 West Richmond Hill (RH) Pumping Station (PS) and Watermain	-	211	491	2,287	15,393	15,393	-	-	-	-	-	-	-	33,775
75420	PD7 Maple Pumping Station (PS) Upgrade and Flowmeter	-	180	1,915	898	4	3	-	-	-	-	-	-	-	3,000
75430	Bathurst Watermain (WM)	-	11	-	-	-	-	436	367	9,678	12,545	-	-	-	23,037
75440	Yonge to Woodspring Watermain (WM)	-	11	10	-	-	-	-	316	505	4,665	8,835	115	-	14,457
75450	Glenway Reservoir Expansion	-	11	302	300	6,906	4,390	1,252	-	-	-	-	-	-	13,161
75460	Yonge Street Watermain from Gladman to Green Lane	-	11	268	254	648	4,200	6,300	3,100	1,478	-	-	-	-	16,259
75480	Newmarket West Yonge Elevated Tank (ET) and Yonge Watermain (WM)	-	10	49	259	477	2,430	4,239	1,595	906	-	-	-	-	9,965
75490	Bathurst/Green Lane/ Yonge Watermain	-	11	222	56	716	144	4,538	3,026	871	-	-	-	-	9,584
75510	Second Concession Watermain	-	79	10	170	45	5,228	-	-	-	-	-	-	-	5,532
75520	Stouffville Zone 2 Elevated Tank (ET) and Watermain	-	-	-	140	100	360	1,772	5,834	-	-	-	-	-	8,206
75530	PD7 Vaughan Watermain and Reservoir	-	11	149	677	2,267	9,053	7,855	-	-	-	-	-	-	20,012
75590	Wellington Reservoir and Watermain	-	-	70	146	240	1,240	4,240	5,278	-	-	-	-	-	11,214
75600	Green Lane/ Leslie Street Newmarket Central (NC) Watermain	-	-	-	-	-	-	-	-	380	240	240	10,320	-	11,180
75620	Richmond Hill (Pugsley) Pumping Station (PS) Capacity Upgrade	-	-	320	1,712	4,654	-	-	-	-	-	-	-	-	6,686
76120	PD7 Elgin Mills (Enford to Bayview)	203	250	1,073	4,837	1,725	-	-	-	-	-	-	-	-	8,088



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)							Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017			2018	2019
76270	PD7 Bayview Ave Watermain (WM) (Elgin Mills to 19th Ave)	130	-	-	-	200	400	4,185	-	-	-	-	-	4,915
76290	Bathurst Watermain (WM) (Elgin Mills Rd. to N Richmond Hill Reservoir & Gamble Rd. to Jefferson Rese)	860	7,508	-	-	-	-	-	-	-	-	-	-	13,968
76300	N. Richmond Hill Elevated Tank (ET) No. 2 and Yonge Vandorf	5,860	6,075	8,171	11,545	11,076	-	-	-	-	-	-	-	54,547
77480	Bloomington Bayview Watermain (WM)	7,076	13,279	-	-	-	-	-	-	-	-	-	-	22,424
	Kleinburg - Additional Water Supply watermain			2,069	-	-	-	-	-	-	-	-	-	
	Sub Total Growth/Expansion	362,609	232,798	149,225	189,025	189,287	188,544	171,589	134,769	69,893	67,505	28,085	25,678	1,816,047
	Enhancement/Improvement			245	-	-	-	-	-	-	-	-	-	1,510
	75610 ISF Water and Wastewater Instrumentation and Control Equipment	1,100	165	-	-	-	-	-	-	-	-	-	-	1,510
	Sub Total Enhancement/Improvement	1,100	165	245	-	-	-	-	-	-	-	-	-	1,510
	Total Tangible Capital Assets	363,709	238,339	160,065	202,067	204,518	203,072	186,364	150,349	87,384	82,325	43,183	40,423	1,968,838
	Non-Tangible Capital Assets													
	Growth/Expansion			10	380	-	-	-	-	-	-	-	-	505
	71260 Decommission Sharon Elevated Tank	115	-	-	-	-	-	-	-	-	-	-	-	505
	72150 Water Conservation Authority (CA) Joint Ground Water Initiative	8,340	2,133	2,091	2,360	2,478	2,602	2,732	2,869	3,012	3,163	3,321	3,487	38,588
	72390 Water for Tomorrow Program	5,175	4,381	4,205	5,000	4,833	4,185	4,185	4,185	4,185	4,185	4,185	2,000	50,704
	72440 Aurora/Newmarket Water Supply System Study	520	-	-	-	520	-	-	-	-	-	-	-	1,040
	73300 Water Master Plan Update	1,085	-	159	300	500	400	400	400	550	550	650	450	5,444
	73780 Peel Water Supply - "Buy-in" Payments	34,928	-	17,464	-	-	-	-	-	-	-	-	-	52,392



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020				
73890	Source Water Protection	4,629	-	233	1,720	700	700	700	700	700	700	700	700	700	700	-	11,882
74170	Decommission of Wooten Way Elevated tank	225	-	598	-	-	-	-	-	-	-	-	-	-	-	-	823
74220	Decommission Markham Pumping Station (PS)	-	-	20	50	175	-	-	-	-	-	-	-	-	-	-	245
75410	Decommission North Richmond Hill (RH) Pumping Station (PS)	-	-	-	-	-	-	-	-	140	540	460	-	-	-	-	1,140
75500	Holland Landing Elevated Tank (ET) Decommissioning	-	-	-	-	-	-	-	-	-	10	50	9,975	-	-	-	10,035
75560	Joint Optimization Study	-	100	-	-	-	-	-	22	37	-	-	-	-	-	-	159
77420	Decommission East Woodbridge Pumping Station (PS)	-	-	-	-	-	-	-	-	50	250	-	-	-	-	-	300
79670	Water System Capacity Assessment	10,386	-	50	100	100	100	100	100	100	100	100	100	100	100	-	11,336
Sub Total Growth/Expansion		65,404	6,614	24,830	9,910	9,306	7,987	8,117	8,276	8,774	9,498	9,466	16,412	9,466	9,466	-	184,594
Enhancement/Improvement																	
73610	Transmission Operations Optimizer	3,683	1,354	931	610	-	-	-	-	-	-	-	-	-	-	-	6,578
73920	Capital Delivery Process Improvements - Water	1,901	200	250	250	125	-	-	-	-	-	-	-	-	-	-	2,726
75540	Water Model Calibration	-	100	150	110	-	-	100	250	-	-	-	100	-	-	-	810
Sub Total Enhancement/Improvement		5,585	1,654	1,331	970	125	100	250	250	100	250	100	100	100	100	-	10,115
Total Non-Tangible Capital Assets		70,989	8,268	26,161	10,880	9,431	7,987	8,217	8,526	8,774	9,498	9,466	16,512	9,466	9,466	-	194,709
TOTAL GROSS EXPENDITURES		434,697	246,607	186,226	212,947	213,949	211,059	194,581	158,875	96,158	91,823	52,649	56,935	7,040	7,040	-	2,163,546



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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
		(in \$000's)													
FINANCING SOURCES															
Regional Sources															
	Committed Non Growth User Rate	1,626	-	-	-	-	-	-	-	-	-	-	-	-	1,626
	Contribution from Operating	13,889	9,031	6,142	6,572	7,762	7,876	8,168	8,172	8,665	7,122	7,357	8,187	-	98,943
	Developer Up-Front Financing	3,827	978	537	-	-	-	-	-	-	-	-	-	-	5,342
	Development Charges	64,939	40,597	33,441	33,422	27,567	19,455	22,485	23,733	7,828	7,010	7,570	5,015	-	293,062
	Development Charges Committed	2,232	-	-	-	-	-	-	-	-	-	-	-	-	2,232
	Reserve: Capital Replacement	11,179	2,448	8,603	11,770	10,772	9,954	10,139	11,227	12,538	11,561	11,762	10,545	-	122,498
	Sub Total Regional Sources	97,692	53,054	48,723	51,764	46,101	37,285	40,792	43,132	29,031	25,693	26,689	23,747	-	523,703
External Sources															
	Federal Funding	2,767	-	-	-	-	-	-	-	-	-	-	-	-	2,767
	Municipal/Local	290	-	-	-	-	-	-	-	-	-	-	-	-	290
	Other Recoveries	1,799	-	-	-	-	-	-	-	-	-	-	-	-	1,799
	Provincial Funding	4,467	-	-	-	-	-	-	-	-	-	-	-	-	4,467
	Sub Total External Sources	9,324	-	-	-	-	-	-	-	-	-	-	-	-	9,324
	TOTAL AVAILABLE FINANCING	107,016	53,054	48,723	51,764	46,101	37,285	40,792	43,132	29,031	25,693	26,689	23,747	-	533,027
	TOTAL DEBENTURE REQUIREMENTS	327,682	193,553	137,503	161,183	167,848	173,774	153,789	115,743	67,127	66,130	25,960	33,188	7,040	1,630,520
	TOTAL FINANCING SOURCES	434,697	246,607	186,226	212,947	213,949	211,059	194,581	158,875	96,158	91,823	52,649	56,935	7,040	2,163,546
DEBENTURE REPAYMENT SOURCES															
	Prior Years	248,498	-	-	-	-	-	-	-	-	-	-	-	-	248,498
	Development Charges	74,142	183,876	137,503	161,183	167,848	173,774	153,789	115,743	67,127	66,130	25,960	33,188	7,040	1,367,303
	User Rates	5,042	9,677	-	-	-	-	-	-	-	-	-	-	-	14,719
	TOTAL DEBENTURE REQUIREMENTS	327,682	193,553	137,503	161,183	167,848	173,774	153,789	115,743	67,127	66,130	25,960	33,188	7,040	1,630,520

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Rate Supported									
70050	Leslie St. Watermain (WM)	5,297	-	-	-	5,297	-	-	-
70120	Orchard Heights Pumping Station (PS) and Kirby Pumping Station (PS) Upgrade	8,316	-	-	-	8,316	-	-	-
71180	Queensville Elevated Tank No. 1	5,703	-	-	-	5,703	-	-	-
71200	New Production Well-Mount Albert Well 3	671	-	-	-	134	-	-	537
71250	Queensville Tank No. 2	8,140	-	-	-	8,140	-	-	-
71260	Decommission Sharon Elevated Tank	390	-	-	-	390	-	-	-
72140	Georgina Water Supply (GWS) - Georgina Water Treatment Plan (WTP) Phase 3	2,440	-	-	-	2,440	-	-	-
72150	Water Conservation Authority (CA) Joint Ground Water Initiative	28,115	-	-	-	-	-	28,115	-
72170	Georgina Water Supply (GWS)-Keswick North Elevated Tank (ET) and Connecting Watermain to Woodbine Av	7,911	-	-	-	7,911	-	-	-
72180	Georgina Water Supply (GWS) - Woodbine and Ravenshoe Watermain (WM) (Church St-Keswick Tank)	4,562	-	-	4,562	-	-	-	-
72200	Georgina Water Supply (GWS) - Sutton Water Servicing	16,655	-	-	-	16,655	-	-	-
72390	Water for Tomorrow Program	41,148	-	-	-	41,148	-	-	-
72440	Aurora/Newmarket Water Supply System Study	520	-	-	-	520	-	-	-
72450	Aurora Elevated Tank (related to project 70050)	9,473	-	-	-	9,473	-	-	-

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Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
72490	East Gwillimbury Water Meter Chambers	1,517	-	-	-	1,517	-	-	-
72500	ISF Georgina Water Supply (GWS) Georgina Water Treatment Plant (WTP) Phase 2	985	-	-	-	985	-	-	-
72510	York Water System Security	500	-	-	-	-	-	500	-
72520	PD6 Nashville Road Watermain-Huntington to the Kleinburg Elevated Tank	7,381	-	-	-	7,381	-	-	-
73160	Nobleton - Additional Water Supply and Watermain (WM) to Town	1,907	-	-	-	1,907	-	-	-
73210	King City Elevated Tank and Watermain (WM) from Elevated Tank (ET) to town	621	-	-	-	621	-	-	-
73300	Water Master Plan Update	4,359	-	-	-	4,359	-	-	-
73580	Toronto Cost Shared Work - 2005 Water Supply Agreement	369,189	-	-	369,189	-	-	-	-
73610	Transmission Operations Optimizer	1,541	-	-	-	-	-	1,541	-
73780	Peel Water Supply - "Buy-in" Payments	17,464	-	-	17,464	-	-	-	-
73790	Peel Water Supply - Cost-Shared Work	405,027	-	-	405,027	-	-	-	-
73890	Source Water Protection	7,253	-	7,253	-	-	-	-	-
73920	Capital Delivery Process Improvements - Water	625	-	-	-	-	-	625	-
74170	Decommission of Wooten Way Elevated tank	598	-	-	-	598	-	-	-
74210	PD6 Markham Bypass	12,192	-	-	-	12,192	-	-	-
74220	Decommission Markham Pumping Station (PS)	245	-	-	-	245	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
74260	Toronto Supply - Kennedy Watermain (WM) - Milliken (PS) to Major Mack	46,827	-	-	44,486	2,341	-	-	-
75390	PD5 Huntington WM and Reservoir	50,063	-	-	50,063	-	-	-	-
75400	PD8 West Richmond Hill (RH) Pumping Station (PS) and Watermain	33,564	-	-	33,564	-	-	-	-
75410	Decommission North Richmond Hill (RH) Pumping Station (PS)	1,140	-	-	1,140	-	-	-	-
75420	PD7 Maple Pumping Station (PS) Upgrade and Flowmeter	2,820	-	-	2,820	-	-	-	-
75430	Bathurst Watermain (WM)	23,026	-	-	23,026	-	-	-	-
75440	Yonge to Woodspring Watermain (WM)	14,446	-	-	14,446	-	-	-	-
75450	Glenway Reservoir Expansion	13,150	-	-	13,150	-	-	-	-
75460	Yonge Street Watermain from Gladman to Green Lane	16,248	-	-	16,248	-	-	-	-
75480	Newmarket West Yonge Elevated Tank (ET) and Yonge Watermain (WM)	9,955	-	-	-	9,955	-	-	-
75490	Bathurst/Green Lane/ Yonge Watermain	9,573	-	-	9,573	-	-	-	-
75500	Holland Landing Elevated Tank (ET) Decommissioning	10,035	-	-	10,035	-	-	-	-
75510	Second Concession Watermain	5,453	-	-	5,453	-	-	-	-
75520	Stouffville Zone 2 Elevated Tank (ET) and Watermain	8,206	-	-	8,206	-	-	-	-
75530	PD7 Vaughan Watermain and Reservoir	20,001	-	-	20,001	-	-	-	-
75540	Water Model Calibration	710	-	-	-	-	-	710	-
75550	Yonge St. Aquifer Well Replacements	4,700	-	-	-	-	-	4,700	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
75560	Joint Optimization Study	59	-	-	-	59	-	-	-
75590	Wellington Reservoir and Watermain	11,214	-	-	-	11,214	-	-	-
75600	Green Lane/ Leslie Street Newmarket Central (NC) Watermain	11,180	-	-	11,180	-	-	-	-
75610	ISF Water and Wastewater Instrumentation and Control Equipment	245	-	-	-	-	-	245	-
75620	Richmond Hill (Pugsley) Pumping Station (PS) Capacity Upgrade	6,686	-	-	-	6,686	-	-	-
76120	PD7 Elgin Mills (Enford to Bayview)	7,635	-	-	-	7,635	-	-	-
76270	PD7 Bayview Ave Watermain (WM) (Elgin Mills to 19th Ave)	4,785	-	-	-	4,785	-	-	-
76290	Bathurst Watermain (WM) (Elgin Mills Rd. to N Richmond Hill Reservoir & Gamble Rd. to Jefferson Rese	5,600	-	-	-	5,600	-	-	-
76300	N. Richmond Hill Elevated Tank (ET) No. 2 and Yonge Vandorf Bloomington Bayview Watermain (WM)	42,612	-	-	42,612	-	-	-	-
77420	Decommission East Woodbridge Pumping Station (PS)	300	-	-	-	300	-	-	-
77480	Kleinburg - Additional Water Supply watermain	2,069	-	-	-	2,069	-	-	-
78500	Water General	18,977	-	-	-	-	-	18,977	-
78510	Surface Water Treatment	17,835	-	17,835	-	-	-	-	-
78511	Ground Water Treatment	27,561	-	27,561	-	-	-	-	-
78512	Pumping Water	31,569	-	31,569	-	-	-	-	-
78514	Storage Elevated Tank	5,094	-	-	-	-	-	5,094	-

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10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
78516	Storage Reservoir	5,886	-	5,886	-	-	-	-	-
78517	Meter Chamber Water	2,401	-	-	-	-	-	2,401	-
78519	Transmission Main	18,767	-	18,767	-	-	-	-	-
78540	Supervisory Control and Data Acquisition (SCADA) Communication Network Water	3,747	-	-	-	-	-	3,747	-
78563	Technology Integration Water	2,820	-	-	-	-	-	2,820	-
78564	Technology Development & Implementation Water	6,548	-	-	-	-	-	6,548	-
79670	Water System Capacity Assessment	950	-	-	-	950	-	-	-
Total Rate Supported		1,475,202	-	108,871	1,102,245	187,526	-	76,023	537
TOTAL FINANCING SOURCES		1,475,202	-	108,871	1,102,245	187,526	-	76,023	537

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Capital Strategy

The Water and Wastewater Master Plan Update completed in 2009 recommended expansion of major infrastructure to address servicing needs to 2051. Along with infrastructure expansion, water conservation and inflow and infiltration reduction initiatives have become key elements in the Region's servicing strategy to provide cost effective and sustainable services.

Key elements of the wastewater capital strategy adopted in the ten year capital program are presented below.

Expansion of York Durham Sewage System (YDSS) addresses servicing needs in urban areas of York Region

- Strategy to increase conveyance capacity in southern areas of York Region includes paralleling the existing York Durham Sewage System (YDSS) through construction of the new Southeast Collector and Primary Trunk, extending the system to new areas north along Jane Street and McCowan Road, and implementing the West Vaughan Sewage Servicing project.
- Increased treatment capacity will continue to be secured through expansion of the Duffin Creek Water Pollution Control Plant (WPCP) and diversion of sewage flow for treatment in Peel Region.

Inflow and infiltration reduction plays major role in strategy

- With rising costs to build new infrastructure and increasing regulatory requirements for environmental protection, water conservation and inflow and infiltration reduction will play an important role in addressing long term sanitary servicing needs. Other innovative solutions to meet servicing requirements are also being explored in wastewater projects, including the Upper York Sewage Solutions.
- Major regulatory requirements impacting the wastewater servicing strategy include :
 - MOE conditions of approval on the Southeast Collector Individual Environmental Assessment (IEA)
 - Requirements for anticipated intra-basin transfer regulations under the Ontario Water Resources Act in accordance with the 2005 Great Lakes – St Lawrence River Basin Sustainability Water Resources Agreement
 - MOE conditions of approval of the Individual Environmental Assessment (IEA) Terms of Reference for the Upper York Sewage Solutions project
 - Phosphorous loading restrictions under the Lake Simcoe Protection Act 2008
 - Duffin Creek Water Pollution Control Plant (WPCP) Stage 1 & 2 Rehabilitation required as part of MOE conditions applied to the Certificate of Approval (Air) for the Stage 3 Expansion

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Upper York Sewage Solutions addresses servicing needs in Aurora, Newmarket and East Gwillimbury

- Servicing strategy for the planned build-out of Aurora, East Gwillimbury, and Newmarket will be addressed through the Upper York Sewage Solutions project. Innovative solutions are being explored in the Environmental Assessment process.

Most communities outside York Durham Sewage System (YDSS) have recently expanded Water Pollution Control Plant treatment capacities

- With recent expansion of Water Pollution Control Plants (WPCP) in Mount Albert and Schomberg, and completion of a new plant in Nobleton, all communities except Keswick, Sutton and Kleinburg have sufficient capacities to service approved community plans.
- Planned expansion of Keswick and Sutton water pollution control plants will meet the growth needs of these communities.
- Current expansion of Kleinburg WPCP will address the near term growth need of the Kleinburg-Nashville community. A longer term solution for the ultimate build-out of Kleinburg-Nashville community will be addressed through the West Vaughan Servicing project.

Infrastructure Management remains a long term need

- As per reporting requirements in section 3150 of the Public Sector Accounting Board (PSAB) Handbook, municipalities are required to report tangible capital assets as assets (versus expenses) on financial statements. This is intended to ensure that municipalities have a better understanding of their asset base and the condition of infrastructure. In addition, the Ontario government passed Bill 175, the Sustainable Water & Sewage Systems Act, which requires municipalities to assess the full cost of providing water and sewage services and to recover costs needed to operate, maintain, and replace them. Once implemented, Bill 175 will require municipalities to report on asset inventories, infrastructure management plans, assessment of the cost of providing water and wastewater services as well as revenue sources for full cost recovery. This legislation also requires municipalities to establish and maintain a dedicated reserve account to pay for the full cost of providing water and wastewater services and the replacement cost of the infrastructure at the end of its lifecycle.
- The Department's key strategic goals involve proactively managing and maintaining infrastructure to ensure short and long term adequacy and reliability of water, wastewater and solid waste services and to comply with all regulatory requirements. The Infrastructure Management Program effectively manages the lifecycle of billions of dollars worth of environmental services assets.
- The Infrastructure Management Program is the Region's key business support for managing on-going performance, quality, reliability and improvement of Department infrastructure and business implications. As part of this program, the Department is required to manage inspection, condition assessment, capital planning of infrastructure to drive proactive lifecycle management and true cost accounting. This requires establishing data needs, analysis, risk assessment, capital planning and an iterative management cycle to guide the program. The

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overall program supports the Department in providing sustainable services and proper lifecycle management in alignment with PSAB 3150 and Bill 175.

- The Infrastructure Improvement Program is designed to support short and long term capital planning. The aim of the Program and its supporting database system is to define and organize infrastructure needs, provide a quantitative method of choosing priority projects, while managing descriptive information and rationale over the long term. In essence, the Program provides an objective method for evaluating infrastructure needs and optimization opportunities.

Key Initiatives (10 Year Plan)

A number of key initiatives and related projects have been identified as essential to deliver the capital strategy. These include implementing the following wastewater projects in the ten year program. (Bracketed costs indicate total projected spending from 2011 to 2020, including amounts previously approved/ total project):

Expansion of York Durham Sewage System (YDSS)

1. Expansion of Duffin Creek WPCP provides treatment capacity to 2031

The Stage 3 expansion increases treatment capacity from 420 ML/day to 630 ML/day (\$63.2 M including \$13M from Durham/ \$586.7M including cost share from Durham Region). In conjunction with the capacity increase, an increase in the capacity of the outfall is also required (\$83M / \$83M including \$16M from Durham)

2. New Southeast Collector provides downstream conveyance capacity

The new Southeast Collector scheduled for commissioning in 2014 will form a parallel system with the existing sewer between Ninth Line in the Town of Markham and Valley Farm Road in the City of Pickering. The sewer is required to service growth in all municipalities served by the YDSS and will also provide operational flexibility including the opportunity to rehabilitate the existing sewer. (\$434M / \$546M)

3. Twinning Primary Trunk provides downstream conveyance capacity

Twinning of the primary trunk at the downstream end of the YDSS will increase the conveyance capacity as well as overall security of the system. (\$139 M / \$139 M)

4. Servicing Holland Landing, Queensville and Sharon initial growth

Construction of the YDSS connection to Holland Landing, Queensville and Sharon is currently underway to service the initial growth of the three communities. This project is subject to a prepaid development charge credit agreement. (\$108.9M / \$112.5M)

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5. Servicing long term growth in Holland Landing, Queensville, Sharon, Aurora, Newmarket

The IEA for Upper York Sewage Solutions is currently underway to determine the preferred long term servicing solutions for the Upper York area including Aurora, Newmarket, Holland Landing, Queensville and Sharon. (\$495M / \$501M)

Cost-shared works with Peel Region

6. Peel cost-shared works to provide additional sewage servicing capacity

Peel cost-shared capital projects include replacing sections of trunk sewers in Etobicoke and expanding capacity at the Lakeview wastewater treatment plant to provide sewage conveyance and treatment up to a capacity of 53MLD in 2031. (\$44M / \$96M)

Expansion of Communal Systems

7. Keswick WPCP expansion under construction with completion in 2012

Expansion of the Keswick WPCP is underway. Scheduled for completion in 2012, the work will increase the treatment capacity to accommodate growth for the approved Community Plan. (\$48M / \$77M)

8. Kleinburg WPCP expansion

Expansion of the Kleinburg WPCP is currently underway. Scheduled for completion in 2011, the work will increase the treatment capacity to accommodate the approved Community Plan. (\$9.5M / \$28.0M) The ten year program also includes a project to address the long term servicing needs for the west Vaughan area including Kleinburg. (\$159M/\$159M)

Asset Replacement and Rehabilitation

9. Infrastructure Upgrades, Replacement and Rehabilitation needs will significantly increase over time

The Region's wastewater infrastructure is aging and proper support is an ongoing necessity to meet service level standards. As management plans are completed, new projects are identified to ensure future reliability. These projects impact the latter years of the capital program as more needs are identified. (approximately \$165M over ten years excluding Duffin Creek WPCP)

Key projects identified in the capital program include:

- Odour and Corrosion Control Program – system review, detailed condition and odour assessments, capital projects including Morton Avenue Odour Control and Aurora Newmarket Corrosion project
- Condition assessment and rehabilitation of aging infrastructure including the existing Southeast Collector Truck Sewer to commence following commissioning of the new Southeast Collector Truck Sewer in 2014

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- Sewage Pumping Station assessments and upgrades including Aurora, Humber, Newmarket, South Bend and Leslie Sewage Pumping Stations
- YDSS and maintenance access hole condition programs including corrosion, obstruction and aging mitigation projects
- Flow meter upgrades including replacing obsolete flow meters and installing SCADA connections for remote monitoring and data collection
- SCADA system upgrades including a control panel replacement project

Inflow and Infiltration Reduction Program

10. Inflow and Infiltration Reduction Program is currently underway with full participation from area municipalities.

The inflow and infiltration reduction program, commenced in 2007, is a key element in satisfying MOE conditions on the Southeast Collector IEA approval. In partnership with all nine local area municipalities, the program will develop, plan and implement the initial phase of the inflow and infiltration reduction strategy. (\$19M / \$26M)

New Projects included in the 2011 Wastewater Budget

There are three new projects in the ten year capital program totalling \$336.3M:

- **YDSS Duffin Creek Stage 1 and 2 Upgrade (\$200M)**

This project is required as part of the conditions of Certificate of Approval (Air) for the Duffin Creek WPCP Stage 3 expansion and has received funding approval by Council in April 2010

- **Primary Trunk Sewer Construction (\$136M)**

This project is recommended in the 2009 Water and Wastewater Master Plan Update and is required to remove the conveyance constraint immediately upstream of the Duffin Creek WPCP. Funding for the Environmental Assessment study was included in the 2010 capital program. Design and construction work is introduced in this ten year capital program

- **Wastewater System Capacity Studies (\$0.3M)**

This project is required to carry out studies to monitor system capacity

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Long Term Outlook (10 Year Plan)

Expenditures

Expenditures during the first five years of the capital plan total \$1.3B and will be spent to complete major projects including the new Southeast Collector, Duffin Creek WPCP (Stage 3) expansion, Duffin Creek Outfall, and Duffin Creek Stages 1 and 2 Upgrades, Leslie Street pumping station upgrades, as well as Keswick and Kleinburg WPCP expansions. This will be followed by another five years of significant expenditure (\$1.1B) on capital projects including implementation of the Upper York Sewage Solutions, Primary Trunk Sewer and West Vaughan Servicing.

Completion of works in this ten year plan will result in significant upgrades to the Regional sanitary system, with the essential components capable of servicing projected growth through to 2031. Beyond this ten year program, capital expenditures on rehabilitation and replacement projects will take on a larger share of the program costs as existing Regional assets age.

Major replacement costs for specific wastewater assets (excluding the Duffin Creek WPCP) under the ten year program are listed below:

Infrastructure	Estimated Quantity	Estimated Replacement Cost (\$Million)
<u>DISCRETE</u>		
Sewage Meter/Valve Chamber	9 facilities	\$ 8
Sewage Pumping Station	14 facilities	\$ 50
Water Pollution Control Plant	7 facilities	\$ 30
<u>LINEAR</u>		
* Gravity Sewer	128 km	\$ 40
Forcemain	87 km	\$ 3
Siphons	1	\$ 1
* Note: Includes rehabilitation of the existing Southeast Collector		
<u>DUFFIN CREEK AND SEC REHABILITATION</u>		
Water Pollution Control Plant	1 facility	\$ 98
SEC Rehabilitation	15 km	\$ 40
Total		<u>\$270 Million</u>



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	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Forcemain	300	194	198	202	206	210	214	218	223	300	2,265
Gravity Sewer	1,000	2,538	3,491	3,561	5,517	3,705	3,779	3,854	3,932	3,000	34,377
Other Non-Capital Projects	695	937	3,551	5,563	5,619	3,478	3,201	3,264	6,798	4,150	37,256
Sewage Meter Chambers	700	827	844	861	878	895	913	932	950	1,000	8,800
Sewage Pumping Station	6,985	3,268	4,354	4,441	5,530	4,620	4,713	4,807	4,903	4,000	47,621
Sewage Treatment Plants	3,775	2,202	2,670	2,714	3,184	2,803	2,849	2,896	2,944	2,500	28,537
Third Party Capital	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	19,000
Third party Capital - Duffin Creek Plant	6,555	7,512	5,487	17,706	15,893	34,681	13,316	12,316	15,000	15,000	143,466
Sub Total Rehabilitation/Replacement	21,910	19,378	22,495	36,948	38,727	52,292	30,885	30,187	36,650	31,850	321,322
Growth/Expansion											
Gravity Sewer	9,186	144,500	183,200	132,741	119,726	180,602	211,923	168,957	125,187	63,497	1,339,519
Sewage Pumping Station	5,803	3,274	7,043	3,974	-	358	2,265	4,965	8,413	-	36,095
Sewage Treatment Plants	15,253	23,215	5,009	-	-	870	1,270	7,570	18,520	5,370	77,077
Third Party Capital	55,442	11,808	33,895	32,635	27,250	6,755	8,435	6,000	1,370	-	183,590
Third party Capital - Duffin Creek Plant	21,200	40,200	35,150	38,150	33,100	23,050	4,000	-	-	-	194,850
Sub Total Growth/Expansion	106,884	222,997	264,297	207,500	180,076	211,635	227,893	187,492	153,490	68,867	1,831,131
Enhancement/Improvement											
Forcemain	-	-	-	-	-	160	299	1,938	2,178	2,178	6,753
Sewage Pumping Station	-	-	-	-	-	431	669	5,056	5,720	5,720	17,596
Sub Total Enhancement/Improvement	-	-	-	-	-	591	968	6,994	7,898	7,898	24,349
Total Tangible Capital Assets	128,794	242,375	286,792	244,448	218,803	264,518	259,746	224,673	198,038	108,615	2,176,802



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	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
Non-Tangible Capital Assets											
Growth/Expansion											
Planning & Studies	130	5,110	4,930	1,080	930	830	830	1,080	1,180	980	17,080
Sewage Treatment Plants	-	-	-	-	-	-	-	-	-	243	243
Sub Total Growth/Expansion	130	5,110	4,930	1,080	930	830	830	1,080	1,180	1,223	17,323
Enhancement/Improvement											
Groundwater Resource Protection	1,608	1,885	1,979	2,078	2,182	2,291	2,405	2,526	2,652	2,785	22,391
Other Non-Capital Projects	410	250	200	150	-	200	150	-	200	150	1,710
Sub Total Enhancement/Improvement	2,018	2,135	2,179	2,228	2,182	2,491	2,555	2,526	2,852	2,935	24,101
Total Non-Tangible Capital Assets	2,148	7,245	7,109	3,308	3,112	3,321	3,385	3,606	4,032	4,158	41,424
TOTAL GROSS EXPENDITURES	130,942	249,620	293,901	247,756	221,915	267,839	263,131	228,279	202,070	112,773	2,218,226
Total Rehabilitation/Replacement	21,910	19,378	22,495	36,948	38,727	52,292	30,885	30,187	36,650	31,850	321,322
Total Growth/Expansion	107,014	228,107	269,227	208,580	181,006	212,465	228,723	188,572	154,670	70,090	1,848,454
Total Enhancement/Improvement	2,018	2,135	2,179	2,228	2,182	3,082	3,523	9,520	10,750	10,833	48,450
TOTAL GROSS EXPENDITURES	130,942	249,620	293,901	247,756	221,915	267,839	263,131	228,279	202,070	112,773	2,218,226



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10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
FINANCING											
Reserves	(8,455)	(9,412)	(7,387)	(19,606)	(17,793)	(36,581)	(15,216)	(14,216)	(16,900)	(16,900)	(162,466)
Debtenture Proceeds	(59,004)	(161,669)	(223,465)	(190,346)	(169,762)	(206,655)	(226,323)	(180,422)	(135,470)	(63,997)	(1,617,113)
Development Charges	(2,650)	(5,684)	(7,452)	(4,524)	(400)	(1,761)	(2,538)	(15,114)	(27,068)	(13,718)	(80,909)
Grants & Subsidies	(30,090)	-	-	-	-	-	-	-	-	-	(30,090)
Other Recoveries	(15,240)	(60,724)	(38,280)	(13,680)	(10,814)	(4,610)	(800)	-	-	(243)	(144,391)
TOTAL FINANCING	(115,439)	(237,489)	(276,584)	(228,156)	(198,769)	(249,607)	(244,877)	(209,752)	(179,438)	(94,858)	(2,034,969)
USER RATES	(15,503)	(12,131)	(17,317)	(19,600)	(23,146)	(18,232)	(18,254)	(18,527)	(22,632)	(17,915)	(183,257)

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The 2011 Ten Year Capital Plan includes an incremental Total Project Budget Authority (TPBA) request of \$241.6M. The following table summarizes key contributions to the TPBA increase:

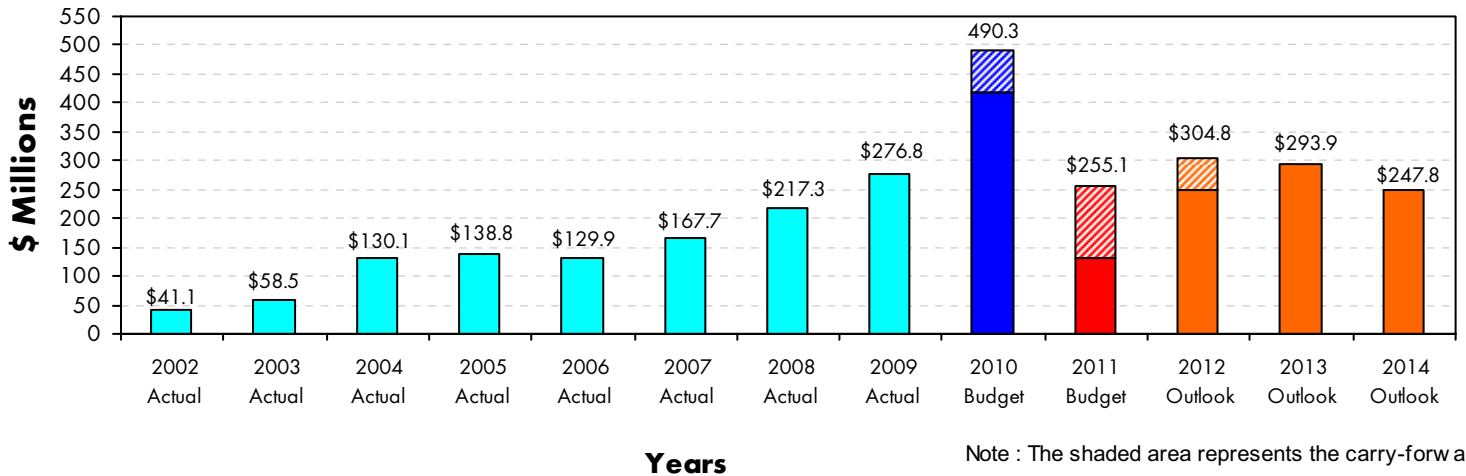
Project	TPBA Increase from 2010 to 2011	Comments
Duffin Creek Phase 1 & 2 Upgrade (#72530)	\$139M	Previously approved TPBA by Council in 2010 was \$62M. Full TPBA is requested up to the total project cost of \$200M.
Upper York Sewage Solutions IEA (#74270)	\$16.9M	2010 Budget request was for one-year of expenditures only. Full TPBA required to complete the IEA.
YDSS - Leslie Pumping Station Upgrade (#79890)	\$13.7M	Revised cost estimate.
Inflow and Infiltration (#73640)	\$12.8M	Revised cost estimate. Not reflected in the total TPBA Change report as no new money was requested for 2011.
Keswick WPCP Expansion (#72240)	\$8M	Revised cost estimate due to scope change. Approval of the increase requested via Council report in January 2011.
Peel System Cost Shared Works (#79740)	\$7.2M	Revised construction estimates.
Pumping Wastewater (#78531)	\$7M	Revised cost estimate due to identification of major upgrade in Aurora Pumping Station.
Various Other Projects	\$37M	TPBA increase in 25 separate projects ranging from \$.01M to \$5.8M.

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Wastewater Services

Capital Program Cost History

Wastewater



2010 Achievements

- Commissioned YDSS Flow Control Structures
- Commissioned Duffin Creek WPCP Stage 3 Expansion (liquid process)
- Completed construction of Nobleton WPCP
- Commenced construction of Joe Dales Pumping Station Upgrades and forcemain in Keswick
- Tendered construction contract for Holland Landing, Queensville and Sharon YDSS connection
- Received approval of the IEA Terms of Reference for Upper York Sewage Solutions
- Completed Environmental Assessment for the Sutton WPCP expansion
- Commenced Environmental Assessment for Duffin Creek Outfall
- Commenced Environmental Assessment for West Vaughan Sewage Servicing
- Completed cost-shared works with Peel totalling \$2.0M

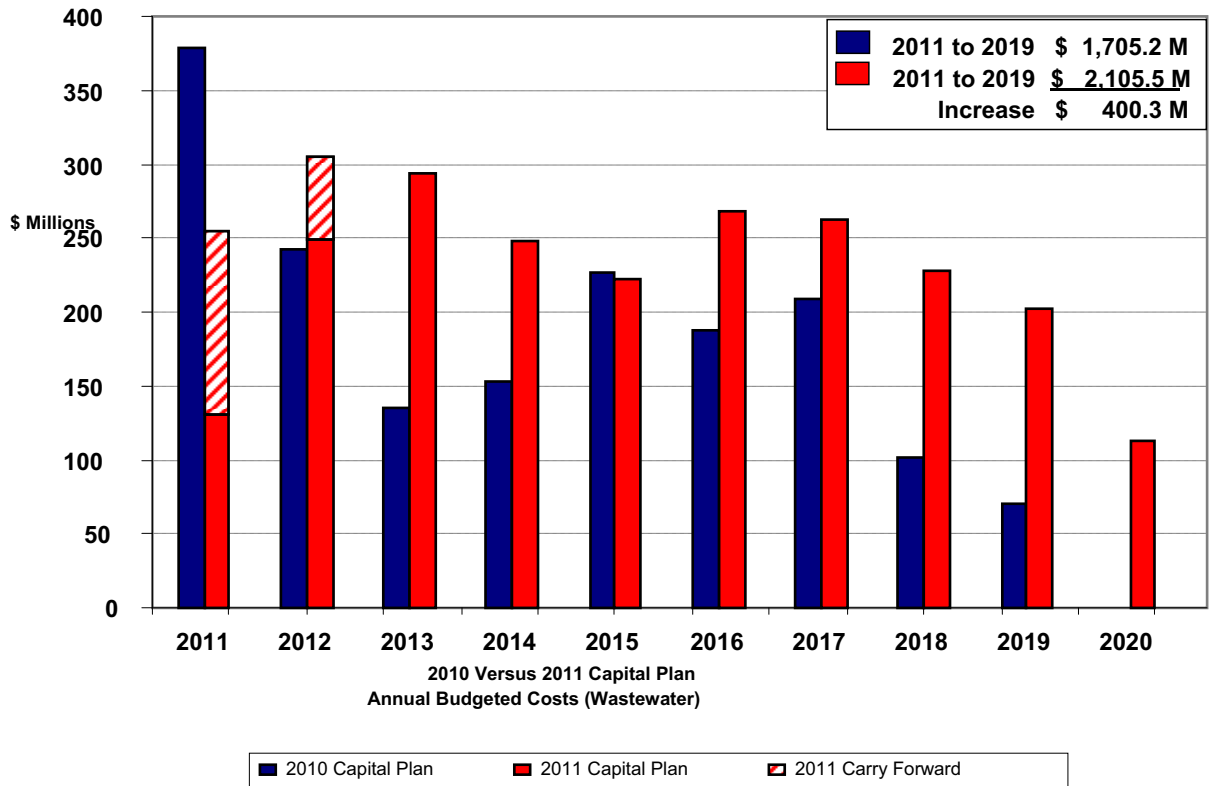
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2010 Plan vs. 2011 Plan

Gross Costs Comparison (2011 to 2019)

Projected expenditures for 2011 to 2019 have increased by \$400.3M in the 2011 Ten Year Capital Plan over the 2010 Ten Year Capital Plan, including previously approved estimates.



Carry forward is primarily due to the Southeast Collector construction being delayed to 2011 as a result of the time required to meet conditions of Environmental Assessment approval for this project.

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Explanation of Cost Changes

Comparison of the 2010 and 2011 plans above shows an increase of \$400.3M between 2011 and 2019. The following table summarizes major projects accounting for this cost increase.

Project	2010 Plan Total Budgeted Cost 2011-2019	2011 Plan Total Budgeted Cost 2011-2019	Difference
Upper York Sewage Solutions (#74270)	\$391M	\$496M	\$105M Updated budget to reflect current mid-range estimate for different alternatives
Primary Trunk Sewer (#75320)	\$3M	\$79M	\$76M Construction cost is now included in this budget and was not in the 2010 Ten Year Plan
West Vaughan Sewage Servicing (#75300)	\$107M	\$159M	\$52M Updated budget to reflect revised estimates as a result of more detailed project scoping
YDSS Duffin Creek (#76340)	\$108M	\$123M	\$15M Updated budget to reflect additional rehabilitation items not previously identified including SEC rehabilitation
Keswick WPCP Expansion (#72240)	\$31M	\$39M	\$8M Updated budget to reflect scope changes related to more significant dewatering and new outfall. Approval of the increase requested via Council report in January 2011.
Peel System Cost Shared Works (#79740)	\$32M	\$40M	\$7M Updated budget to reflect revised project estimates including the Solids dewatering capacity increase at Lakeview WPCP
Duffin Creek Phase 1 & 2 Upgrade (#72530)	\$56M	\$195M	\$139M Approval of project via Council report in April 2010
Various Projects	\$95M	\$138M	\$43M Updated budget to reflect cost increases for 19 projects ranging from \$110K to \$5.6M

Projects with reductions due in part to a change in timing of expenditures:

Project	2010 Plan Total Budgeted Cost 2011-2019	2011 Plan Total Budgeted Cost 2011-2019	Difference
North Markham Trunk Sewer (#75290)	\$32M	\$20M	(\$12M)
Various Projects	\$212M	\$190M	(\$22M) Reductions in nine projects ranging from (\$111K to \$5.7M)
Deleted Projects	\$10M	-	Projects no longer required

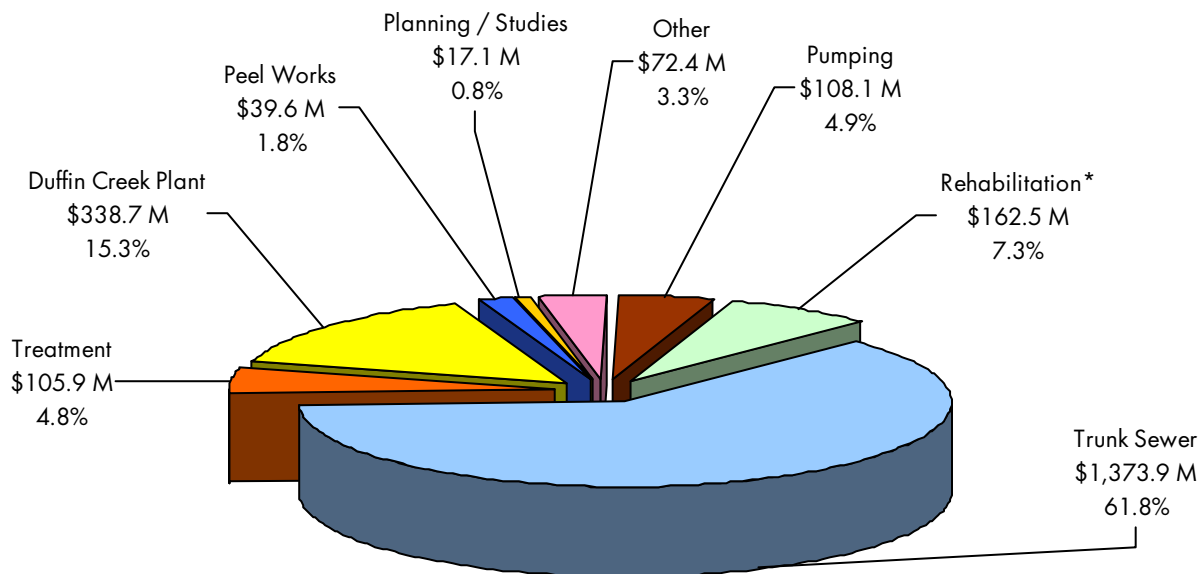
2011 Capital Business Plan

Wastewater Services

Projects that received funding or funding increase approval by Council subsequent to approval of the 2010 Ten Year Capital Plan:

Project	2010 Plan Total Budgeted Cost 2011-2019	2011 Plan Total Budgeted Cost 2011-2019	Difference
Duffin Creek Phase 1 & 2 Upgrade (#72530)	-	\$62M	\$62M Approval of project via Council report in April 2010.
Queensville / Holland Landing / Sharon YDSS Connection (#71220)	\$34M	\$76M	\$42M Approval of additional project costs received via Council report in September 2010.

10 Year Capital Plan Asset Mix

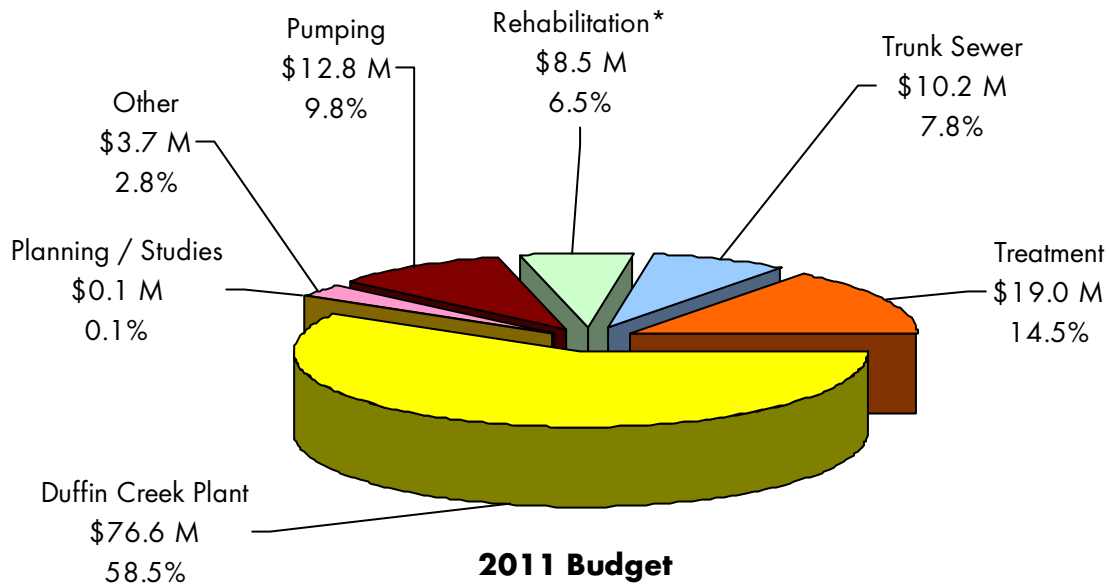


2011-2020 Plan
\$ 2,218.2 M
Asset Mix
(Wastewater)

* Rehabilitation includes Projects 76340 and 79850 (YDSS Duffin Creek Upgrade)

2011 Capital Business Plan Wastewater Services

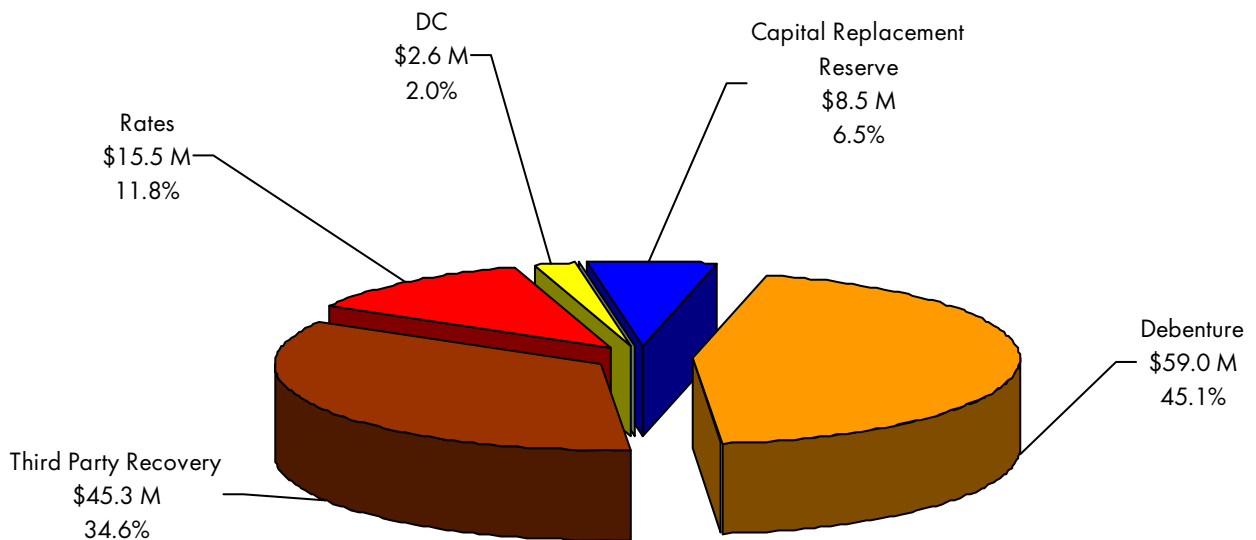
2011 Budget – Asset Mix



**2011 Budget
\$130.9 M
Asset Mix
(Wastewater)**

* Rehabilitation includes Projects 76340 and 79850 (YDSS Duffin Creek Upgrade)

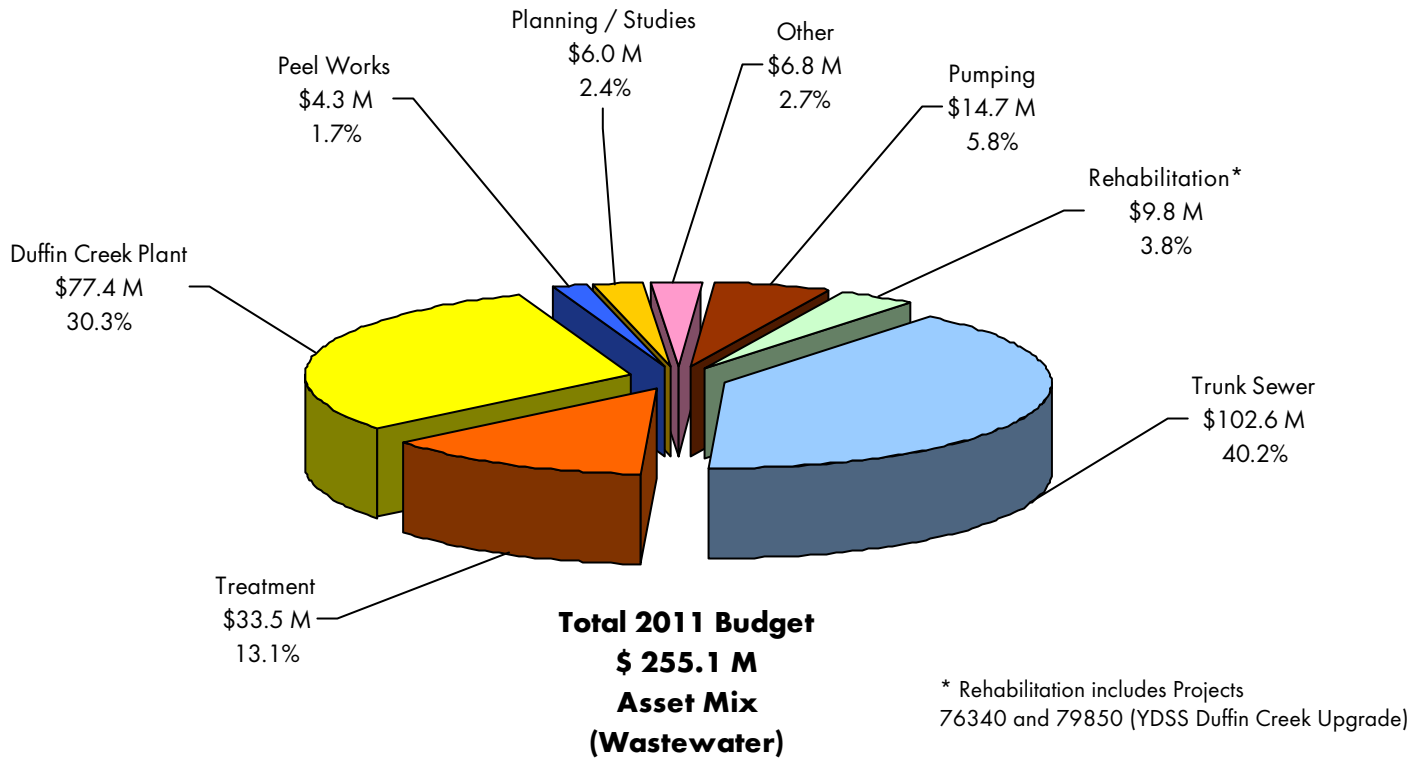
2011 Budget – Cash Flow Sources



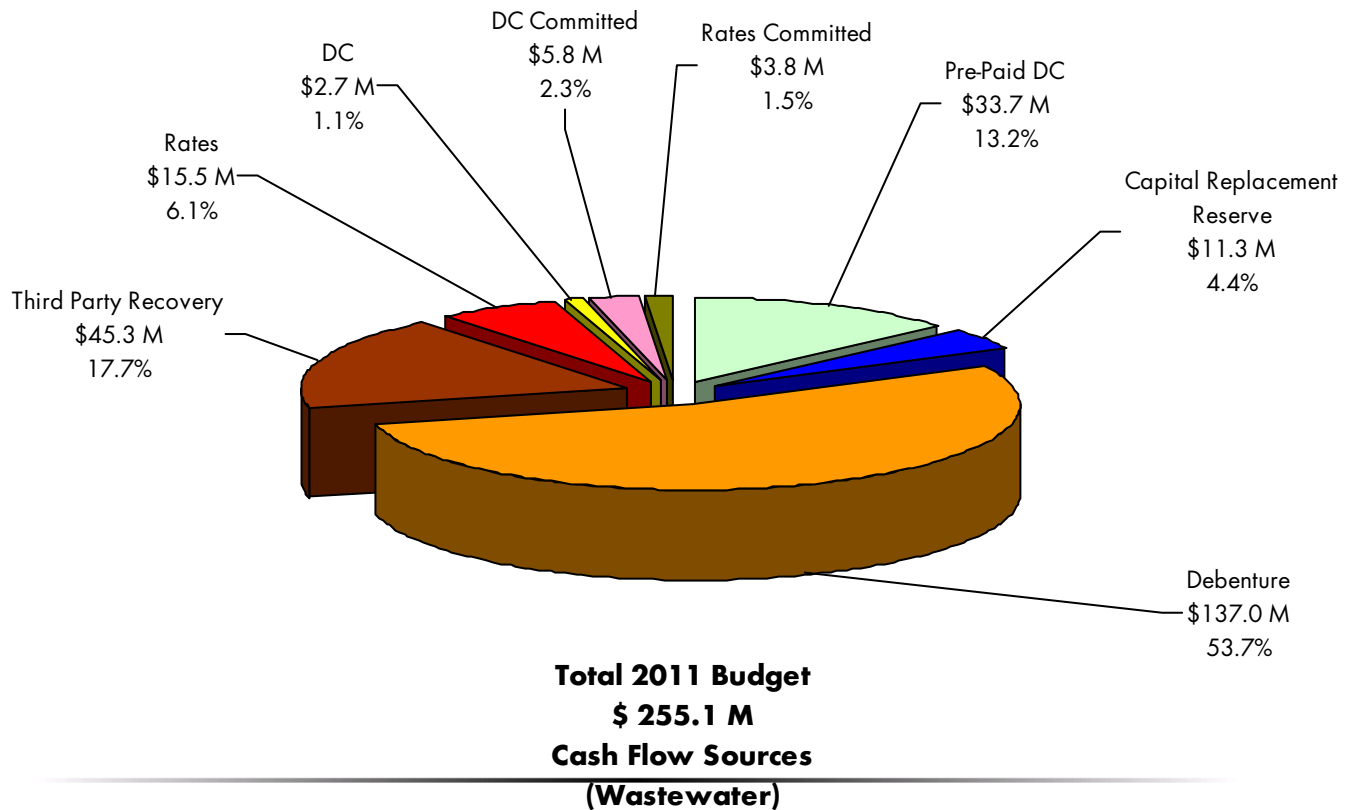
**2011 Budget
\$ 130.9 M
Cash Flow Sources
(Wastewater)**

2011 Capital Business Plan Wastewater Services

Total 2011 Budget – Asset Mix (Incl. Carry Forward)



Total 2011 Budget – Cash Flow Sources (Incl. Carry Forward)





2011 Business Plan and Budget
Environmental Services
Wastewater Services

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	-	-	-	120	184	188	191	268	287	380
Debt Repayment	-	-	-	3,830	4,068	11,251	11,247	38,307	39,198	92,240
Replacement Reserve Contribution	-	-	-	107	318	1,394	1,394	4,758	4,863	11,071
Other Costs	-	-	-	25	56	57	58	184	188	221
Total Gross Costs	-	-	-	4,083	4,625	12,890	12,891	43,517	44,535	103,912
Revenues										
DC on Debt	-	-	-	(3,742)	(3,980)	(11,153)	(11,150)	(32,712)	(33,604)	(86,642)
Total Revenues	-	-	-	(3,742)	(3,980)	(11,153)	(11,150)	(32,712)	(33,604)	(86,642)
Total Net Cost (Tax Levy)	-	-	-	340	645	1,737	1,742	10,806	10,931	17,270

2011 Capital Business Plan

Wastewater Services

Pressures of Net Operating Impact of New Capital Projects

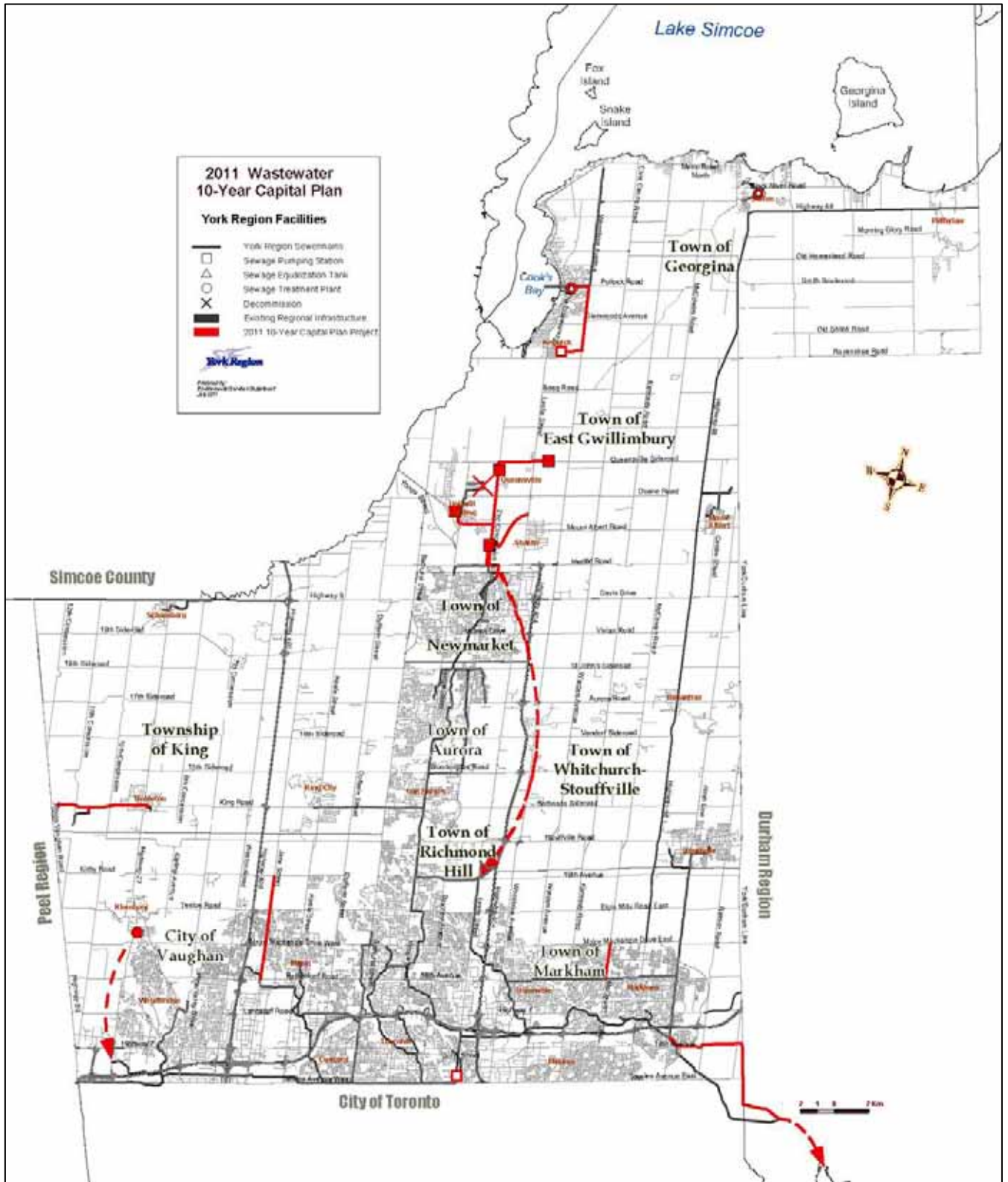
New infrastructure to be constructed through this ten year capital program is summarized below:

Year	Major water pollution plant expansion	No. of new pumping stations	New sewers (km)	Odour Control Facility
2011	1		6	1
2012	1	3	9	
2013				1
2014			15	1
2015				
2016				
2017			7	
2018				
2019		1	12	
2020	1		7	
Total	3	4	56 (KM)	3

2011 Capital Business Plan Wastewater Services

Appendix

Capital Projects Map





2011 Business Plan and Budget
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
75570	Existing Odour Control Facility (OCF) Modification Work	3,785	2,025	-	-	-	-	5,810
76340	York Durham Sewage System (YDSS) Duffin Creek Water Pollution Control Plant (WPCP) Upgrade	2,770	-	-	-	-	-	2,770
78531	Pumping Wastewater	-	-	-	-	-	-	6,985
78533	Wastewater Treatment	6,985	-	-	-	-	-	1,000
78534	Meter Chamber Wastewater	1,000	-	-	-	-	-	700
78536	Trunk Sewer	700	-	-	-	-	-	1,000
78537	Trunk Forcemain	1,000	-	-	-	-	-	300
78538	Odour Control	300	-	-	-	-	-	2,775
78550	Supervisory Control and Data Acquisition (SCADA) Communication Network Wastewater	2,775	-	-	-	-	-	535
78573	Technology Integration Wastewater	535	-	-	-	-	-	60



2011 Business Plan and Budget
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
78574	Technology Development & Implementation Wastewater	100	-	-	-	-	-	100
79850	York Durham Sewage System (YDSS) Duffin Creek Minor Capital	1,900	-	-	-	-	-	1,900
Sub Total Rehabilitation/Replacement		21,910	2,025	-	-	-	-	23,935
Growth/Expansion								
71220	Queensville/Holland Landing/Sharon York Durham Sewage System (YDSS) Connection	(33,500)	25,484	8,016	-	-	-	-
72230	Joe Dales Force mains & Pumping Station (PS) Upgrades	4,928	585	-	-	-	-	5,513
72240	Keswick Water Pollution Control Plant (WPCP) Expansion	(7,737)	10,785	5,000	-	-	-	8,048
72530	Duffin Creek Stages 1 & 2 Upgrade and Refurbishment	(34,600)	40,200	35,150	38,150	33,100	27,050	139,050
74030	~York Durham Sewage System (YDSS) 16th Ave Trunk (Stone Mason-Woodbine)	1,500	1,800	550	550	-	-	4,400
74040	York Durham Sewage System (YDSS) Southeast Collector	(158,346)	(41,183)	105,246	83,917	6,618	3,748	-
74270A	Upper York Sewage Solutions (Pre-Construction)	6,425	6,425	4,000	-	-	-	16,850
75300A	West Vaughan Sewage Servicing	1,200	1,700	-	-	-	-	2,900
75310	East Vaughan Trunk Sewer	10	-	-	-	-	-	10
75320A	Primary Trunk Sewer Study (Pre-Construction)	31	1,121	701	1,220	-	-	3,073



2011 Business Plan and Budget
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
75330	Green Lane Sewer Diversion	10	-	-	-	-	-	10
75350	Sharon Trunk Sewer	10	-	-	-	-	-	10
77090	York Durham Sewage System (YDSS) Langstaff Trunk	-	-	-	-	180	-	180
77470	Kleinburg Water Pollution Control Plant (WPCP) Expansion/Extension of York Durham Sewage System (YDSS)	(390)	2,110	9	-	-	-	1,729
79740	Peel System Cost Shared Works	(4,734)	1,290	1,288	(1,328)	4,648	6,028	7,192
79890	York Durham Sewage System (YDSS)- Leslie Pumping Station (PS) Upgrade	-	2,689	7,043	3,974	-	-	13,706
Sub Total Growth/Expansion		(225,193)	53,006	167,003	126,483	44,546	36,826	202,672
Total Tangible Capital Assets		(203,283)	55,031	167,003	126,483	44,546	36,826	226,607



2011 Business Plan and Budget
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Non-Tangible Capital Assets								
Growth/Expansion								
75640	Wastewater System Capacity Studies	30	-	-	-	-	-	30
79100	Wastewater Master Plan Update	100	-	-	-	-	-	100
	Sub Total Growth/Expansion	130	-	-	-	-	-	130
Enhancement/Improvement								
73690	Capital Delivery Process Improvements - Wastewater	290	-	-	-	-	-	290
75380	Wastewater Model Calibration	120	-	-	-	-	-	120
79470	Wastewater (WW) Conservation Authority (CA) Joint Initiative	1,608	-	-	-	-	-	1,608
	Sub Total Enhancement/Improvement	2,018	-	-	-	-	-	2,018
	Total Non-Tangible Capital Assets	2,148	-	-	-	-	-	2,147
	TOTAL GROSS EXPENDITURES	(201,135)	55,031	167,003	126,483	44,546	36,826	228,754



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010 Approved TPBA	2011 Approved TPBA	New TPBA 2011-2019
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Projects Approved as part of the 2010 TPBA

Tangible Capital Assets

76340	York Durham Sewage System (YDSS) Duffin Creek Water Pollution Control Plant (WPCP) Upgrade	This program identifies and implements major asset upgrade, replacement and rehabilitation works needed for the YDSS and the Duffin Creek WPCP in Durham Region. Updated budget to reflect additional rehabilitation items not previously identified including South East Collector rehabilitation requirements.	4,850	7,620	2,770
78531	Pumping Wastewater	Wastewater (WW) Pumping management ensures that knowledgeable decisions are made about WW Pumping assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of expenditures	2,093	9,078	6,985
78533	Wastewater Treatment	Wastewater (WW) Treatment management ensures that knowledgeable decisions are made about WW Treatment assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of expenditures	1,043	2,043	1,000



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New TPBA 2011-2019
			Approved TPBA	Approved TPBA	
78534	Meter Chamber Wastewater	Meter Chamber management ensures that knowledgeable decisions are made about Meter Chamber assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of expenditures	405	1,105	700
78536	Trunk Sewer	Trunk Sewer management ensures that knowledgeable decisions are made about Trunk Sewer assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of expenditures	1,678	2,678	1,000
78537	Trunk Forcemain	Trunk Forcemain management ensures that knowledgeable decisions are made about Trunk Forcemain assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of expenditures	190	490	300
78538	Odour Control	Odour Control management ensures that knowledgeable decisions are made about Wastewater assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of expenditures	125	2,900	2,775



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010-2019		
			2010 Approved TPBA	2011 Approved TPBA	New TPBA 2011-2019
			(in \$000's)		
78550	Supervisory Control and Data Acquisition (SCADA) Communication Network	Supervisory Control and Data Acquisition (SCADA) Communication Network management ensures that knowledgeable decisions are made about SCADA assets and that the lifecycle is adequately and responsibly managed right through to capital replacement. Additional year of expenditures	145	680	535
78573	Technology Integration Wastewater	Data management and information system improvement projects. Additional year of expenditures	60	120	60
78574	Technology Development & Implementation Wastewater	Data management and information system improvement projects. Additional year of expenditures	331	431	100
79850	York Durham Sewage System (YDSS) Duffin Creek Minor Capital	This project is required for minor works that are required to maintain & enhance the normal operation of the YDSS Duffin Creek Water Pollution Control Plant. Additional year of expenditures	46,989	48,889	1,900
Sub Total Rehabilitation/Replacement					18,125



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2019
			(in \$000's)		
Growth/ Expansion					
72230	Joe Dales Forcemains & Pumping Station (PS) Upgrades	Construction of a twin forcemain connecting the Joe Dales PS to the existing Keswick sewage treatment plant. Upgrades to the Joe Dales PS to Regional standards and to increase capacity. Increases due to poor soil conditions, multiple tenders & environmental compensation.	13,640	19,153	5,513
72240	Keswick Water Pollution Control Plant (WPCP) Expansion	Assess servicing capacity at Keswick WPCP and determine timing for expansion. Class EA: Addendum to 1992 Class EA to expand the Keswick WPCP. Detail design and contract administration of the expansion works. Updated to reflect revised construction estimates and impacts of dewatering; design and construction of existing effluent outfall expansion not part of original plant expansion project. Approval of the increase requested via Council report in January 2011.	66,837	74,885	8,048
72530	Duffin Creek Stages 1 & 2 Upgrade and Refurbishment	The upgrade and refurbishment of the existing stages 1 & 2 at the Duffin Creek Water Pollution Control Plant (WPCP). Upgrades are required to meet future odour mitigation measures and commitments outlined in Odour Mitigation Plan (OMP). Full estimated project cost consistent with April 2010 Council report.	62,000	201,050	139,050



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2019
			(in \$000's)		
74030	~York Durham Sewage System (YDSS) 16th Ave Trunk (Stone Mason-Woodbine)	Construction of Phase 2 of 16th Ave. Trunk Sewer which extends west from Stone Mason Drive to the existing 404 Trunk Sewer at Apple Creek. Updated to reflect revised construction estimates.	96,043	100,443	4,400
74270A	Upper York Sewage Solutions (Pre-Construction)	Master Plan identified a new parallel sewer required along Leslie St (route to be determined) to provide new outlet for wastewater from East Gwillimbury, Newmarket and Aurora. A new pumping station in Newmarket is proposed to redirect the existing flow. Includes full cost of IEA. Prior amount was one year of IEA only.	6,240	23,090	16,850
75300A	West Vaughan Sewage Servicing (Pre-Construction)	Class EA study to develop sewage servicing plan for the communities West Vaughan area. Includes full cost of IEA. Prior amount was one year of IEA only.	586	3,486	2,900
75320A	Primary Trunk Sewer Study (Pre-Construction)	Environmental Assessment study for the twinning of the primary trunk sewer. Includes full cost of IEA. Prior amount was one year of IEA only. (\$10,000 currently reflected in Project 75320B)	-	3,073	3,073
75330	Green Lane Sewer Diversion	Planning, design and construction of a gravity sewer to divert flow to the proposed main pumping station on Second concession to bypass the bottleneck in the existing Green Lane Pumping Station. Additional year of expenditures	144	154	10



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2019
			(in \$000's)		
75350	Sharon Trunk Sewer	Planning, design and construction of a gravity sewer from Sharon to the York Durham Sewage System Sharon Connection, subject to the outcome of the Upper York Sewage Solutions. Additional year of expenditures	10	20	10
77090	York Durham Sewage System (YDSS) Langstaff Trunk	Construction of a sanitary trunk sewer along Langstaff Road from Bathurst Street to west of Keele Street.	39,696	39,876	180
77470	Kleinburg Water Pollution Control Plant (WPCP) Expansion/ Extension of York Durham Sewage System (YDSS)	Planning, design, and construction of an expansion to the Kleinburg WPCP, or alternatively, an extension of the YDSS to Kleinburg. Updated to reflect revised construction estimates.	27,978	29,707	1,729
79740	Peel System Cost Shared Works	This project involves the planning and construction of various sewage works in Peel Region by the Regional Municipality of Peel Region to provide sewage treatment capacity to York Region. York Region is cost sharing this program with Peel Region. Updated to reflect revised construction estimates	95,897	103,089	7,192



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2011 New Total Project Budget Authority Explanations		
			2010 Approved TPBA	2011 Approved TPBA	New TPBA 2011-2019
			(in \$000's)		
79890	York Durham Sewage System (YDSS)-Leslie Pumping Station (PS) Upgrade	Automating and improving processes at the Leslie Street Pumping Station. TPBA amount now includes full construction estimates.	9,345	23,051	13,706
Sub Total Growth/Expansion					202,661
Total Tangible Capital Assets					220,786
Non-Tangible Capital Assets					
Growth/Expansion					
79100	Wastewater Master Plan Update	Update Wastewater System Master Plan, including periodic updates and support to the Wastewater Master Plan. Additional year of expenditures	2,026	2,126	100
Sub Total Growth/Expansion					100



2011 Business Planning and Budgets
 Environmental Services
 Wastewater Services
 2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	(in \$000's)		
			2010 Approved TPBA	2011 Approved TPBA	New TPBA 2011-2019
73690	Capital Delivery Process Improvements - Wastewater	Additional process improvements for Capital Delivery Division required as result of realignment in 2005. Additional year of expenditures	2,285	2,575	290
75380	Wastewater Model Calibration	Calibration of Region's wastewater model to provide accurate results, enhance the efficiency of the Region's wastewater collection system. Additional year of expenditures	100	220	120
79470	Wastewater (WW) Conservation Authority (CA) Joint Initiative	CA support for initiatives relating to wastewater management and environmental quality improvements: (i) Lake Simcoe water quality improvement, (ii) stewardship, (iii) natural heritage regeneration (iv) natural heritage	7,086	8,694	1,608
Sub Total Enhancement/Improvement					2,018
Total Non-Tangible Capital Assets					2,118
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA					222,904



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2019
			(in \$000's)		
New Projects Introduced to 2011 TPBA					
Tangible Capital Assets					
Rehabilitation/Replacement					
75570	Existing Odour Control Facility (OCF) Modification Work	This Project identifies major asset rehabilitation works needed for the York Durham Sewage System (YDSS) odour control facility in Durham Region. Combined budget from other projects through adjustment column in 2010; "new money" only \$3.19M	-	5,810	5,810
Sub Total Rehabilitation/Replacement					
Growth/ Expansion					
75310	East Vaughan Trunk Sewer	Planning, Design and construction of 8,200m of 3,000mm diameter trunk sewer to be located parallel to Jane St from King Vaughan Rd to Major MacKenzie Dr.	-	10	10
Sub Total Growth/Expansion					
Total Tangible Capital Assets					
					5,820



2011 Business Planning and Budgets
Environmental Services
Wastewater Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2019
(in \$000's)					
Non-Tangible Capital Assets					
Growth/Expansion					
75640	Wastewater System Capacity Studies	Carry out studies to monitor system capacity.	-	30	30
Sub Total Growth/Expansion					30
Total Non-Tangible Capital Assets					30
TOTAL NEW PROJECTS INTRODUCED TO 2011 TPBA					5,850
TOTAL GROSS EXPENDITURES					228,754

2011 Business Plan and Budget



Environmental Services
Wastewater Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Rate Supported									
72230	Joe Dales Force mains & Pumping Station (PS) Upgrades	5,513	-	-	5,803	(229)	-	(61)	-
72240	Keswick Water Pollution Control Plan (WPCP) Expansion	8,048	-	-	8,048	-	-	-	-
72530	Duffin Creek Stages 1 & 2 Upgrade and Refurbishment	139,050	-	-	111,240	-	-	-	27,810
73690	Capital Delivery Process Improvements - Wastewater	290	-	-	-	-	-	290	-
74030	~York Durham Sewage System (YDSS) 16th Ave Trunk (Stone Mason-Woodbine)	4,400	-	-	4,400	-	-	-	-
74270A	Upper York Sewage Solutions	16,850	-	-	16,850	-	-	-	-
75300A	West Vaughan Sewage Servicing (Pre-Construction)	2,900	-	-	2,900	-	-	-	-
75310	East Vaughan Trunk Sewer	10	-	-	10	-	-	-	-
75320A	Primary Trunk Sewer Study (Pre-Construction)	3,073	-	-	3,073	-	-	-	-
75330	Green Lane Sewer Diversion	10	-	-	10	-	-	-	-
75350	Sharon Trunk Sewer	10	-	-	10	-	-	-	-

2011 Business Plan and Budget



Environmental Services
Wastewater Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
75380	Wastewater Model Calibration	120	-	-	-	-	-	120	-
75570	Existing Odour Control Facility (OCF) Modification Work	5,810	-	5,810	-	-	-	-	-
75640	Wastewater System Capacity Studies	30	-	-	-	-	-	30	-
76340	York Durham Sewage System (YDSS) Duffin Creek Water	2,770	-	2,770	-	-	-	-	-
77090	York Durham Sewage System (YDSS) Langstaff Trunk	180	-	-	36	-	-	-	144
77470	Kleinburg Water Pollution Control Plant (WPCP)	1,729	-	-	-	1,935	-	(206)	-
78531	Pumping Wastewater	6,985	-	-	-	-	-	6,985	-
78533	Wastewater Treatment	1,000	-	-	-	-	-	1,000	-
78534	Meter Chamber Wastewater	700	-	-	-	-	-	700	-
78536	Trunk Sewer	1,000	-	-	-	-	-	1,000	-
78537	Trunk Forcemain	300	-	-	-	-	-	300	-
78538	Odour Control	2,775	-	-	-	-	-	2,775	-
78550	Supervisory Control and Data Acquisition (SCADA) Communication Network Wastewater	535	-	-	-	-	-	535	-

2011 Business Plan and Budget



Environmental Services
Wastewater Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
78573	Technology Integration Wastewater	60	-	-	-	-	-	60	-
78574	Technology Development & Implementation Wastewater	100	-	-	-	-	-	100	-
79100	Wastewater Master Plan Update	100	-	-	-	100	-	-	-
79470	Wastewater (WW) Conservation Authority (CA) Joint Initiative	1,608	-	-	-	-	-	1,608	-
79740	Peel System Cost Shared Works	7,192	-	-	7,192	-	-	-	-
79850	York Durham Sewage System (YDSS) Duffin Creek Minor	1,900	-	1,900	-	-	-	-	-
79890	York Durham Sewage System (YDSS)-Leslie Pumping Station (PS) Upgrade	13,706	-	-	-	13,706	-	-	-
Total Rate Supported		228,754	-	10,480	159,572	15,512	-	15,236	27,954
TOTAL FINANCING SOURCES		228,754	-	10,480	159,572	15,512	-	15,236	27,954



2011 Business Plan and Budget
Environmental Services
Wastewater Services
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Rehabilitation/Replacement															
75570	Existing Odour Control Facility (OCF) Modification Work	-	2,488	3,785	2,025	-	-	-	-	-	-	-	-	-	5,810
76340	York Durham Sewage System (YDSS) Duffin Creek Water Pollution Control Plant (WPCP) Upgrade	4,850	-	2,770	5,487	5,487	17,706	15,893	34,681	13,316	12,316	15,000	15,000	-	142,506
78520	Wastewater General	-	2,488	-	-	2,300	4,096	4,137	2,181	2,224	2,267	5,682	3,000	-	28,375
78531	Pumping Wastewater	-	2,093	6,985	3,268	4,354	4,441	5,530	4,620	4,713	4,807	4,903	4,000	-	49,714
78533	Wastewater Treatment	-	1,043	1,000	1,702	2,170	2,214	2,684	2,303	2,349	2,396	2,444	2,000	-	22,305
78534	Meter Chamber Wastewater	-	405	700	827	844	861	878	895	913	932	950	1,000	-	9,205
78536	Trunk Sewer	-	1,678	1,000	2,538	3,491	3,561	5,517	3,705	3,779	3,854	3,932	3,000	-	36,055
78537	Trunk Forcemain	-	190	300	194	198	202	206	210	214	218	223	300	-	2,455
78538	Odour Control	-	125	2,775	500	500	500	500	500	500	500	500	500	-	7,400
78550	Supervisory Control and Data Acquisition (SCADA) Communication Network Wastewater	-	145	535	500	500	500	500	500	163	167	170	170	-	3,850
78573	Technology Integration Wastewater	-	60	60	61	62	64	65	66	68	69	70	80	-	725
78574	Technology Development & Implementation Wastewater	-	331	100	376	689	903	917	731	746	761	876	900	-	7,330
79850	York Durham Sewage System (YDSS) Duffin Creek Minor Capital	45,339	1,650	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	-	65,989
Sub Total Rehabilitation/Replacement		50,189	10,208	21,910	19,378	22,495	36,948	38,727	52,292	30,885	30,187	36,650	31,850	-	381,719
Growth/Expansion															



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020				
71220	Queensville/Holland Landing/Sharon York Durham Sewage System (YDSS) Connection	17,116	19,500	-	50,684	25,200	-	-	-	-	-	-	-	-	-	-	112,500
72230	Joe Dales Force mains & Pumping Station (PS) Upgrades	4,695	8,070	-	585	-	-	-	-	-	-	-	-	-	-	-	19,153
72240	Keswick Water Pollution Control Plant (WPCP) Expansion	17,637	18,440	-	21,105	5,000	-	-	-	-	-	-	-	-	-	-	74,885
72360	Duffin Creek Water Pollution Control Plant (WPCP) Outfall / Effluent Strategy	2,060	1,200	-	-	30,250	30,250	20,250	-	-	-	-	-	-	-	-	84,010
72530	Duffin Creek Stages 1 & 2 Upgrade and Refurbishment	-	6,200	-	40,200	35,150	38,150	33,100	23,050	4,000	-	-	-	-	-	-	201,050
73720	York Durham Sewage System (YDSS) Duffin Creek Water Pollution Control Plant (WPCP) (Phase 3) Expansi	367,925	155,585	-	7,748	-	-	-	-	-	-	-	-	-	-	-	586,700
74030	~York Durham Sewage System (YDSS) 16th Ave Trunk (Stone Mason-Woodbine)	96,043	-	-	1,800	550	550	-	-	-	-	-	-	-	-	-	100,443
74040	York Durham Sewage System (YDSS) Southeast Collector	62,033	159,172	-	82,173	126,836	105,507	6,618	2,868	880	-	-	-	-	-	-	546,087
74270A	Upper York Sewage Solutions (Pre-Construction)	5,290	950	-	6,425	4,000	-	-	-	-	-	-	-	-	-	-	23,090
74270B	Upper York Sewage Solutions (Construction)	-	-	-	-	22,725	15,225	59,000	120,000	120,000	120,000	22,000	-	-	-	-	478,950
75290	North Markham Trunk Sewer	-	-	-	-	-	651	532	788	1,183	6,887	10,187	3,497	-	-	-	23,725
75300A	West Vaughan Sewage Servicing (Pre-Construction)	-	586	-	1,700	-	-	-	-	-	-	-	-	-	-	-	3,486
75300B	West Vaughan Sewage Servicing (Construction)	-	-	-	500	2,200	6,000	47,000	50,000	50,000	-	-	-	-	-	-	155,700
75310	East Vaughan Trunk Sewer	-	-	-	10	938	958	2,396	2,396	32,000	32,000	33,000	-	-	-	-	103,708
75320A	Primary Trunk Sewer Study (Pre-Construction)	-	-	-	31	1,121	701	1,220	-	-	-	-	-	-	-	-	3,073
75320B	Primary Trunk Sewer Study (Construction)	-	10	-	-	-	-	4,000	4,000	4,000	4,000	60,000	60,000	-	-	-	136,010



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project	
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
75330	Green Lane Sewer Diversion	-	144	10	87	50	2,630	-	-	-	-	-	-	-	-	2,921
75340	East Queensville Pumping Station (PS) and Foremain	-	-	-	-	-	-	-	358	2,265	4,965	8,413	-	-	-	16,001
75350	Sharon Trunk Sewer	-	10	10	-	-	-	-	550	3,860	6,070	-	-	-	-	10,500
77090	York Durham Sewage System (YDSS) Langstaff Trunk	39,696	-	-	-	-	-	180	-	-	-	-	-	-	-	39,876
77470	Kleinburg Water Pollution Control Plant (WPCP)	10,702	14,336	2,550	2,110	9	-	-	-	-	-	-	-	-	-	29,707
79570	Expansion/Extension of YDSS Sutton Water Pollution Control Plant (WPCP) Expansion	10,223	200	-	-	-	-	-	870	1,270	7,570	18,520	-	-	-	44,023
79740	Peel System Cost Shared Works	57,104	6,335	-	4,060	3,645	2,385	7,000	6,755	8,435	6,000	1,370	-	-	-	103,089
79890	York Durham Sewage System (YDSS)-Leslie Pumping Station (PS) Upgrade	7,442	1,903	-	2,689	7,043	3,974	-	-	-	-	-	-	-	-	23,051
Sub Total Growth/Expansion		697,967	392,641	106,884	222,997	264,297	207,500	180,076	211,635	227,893	187,492	153,490	66,867	-	-	2,921,739
Enhancement/Improvement																
75360	Newmarket Pumping Station (PS) Foremain	-	-	-	-	-	-	-	160	299	1,938	2,178	2,178	-	-	6,753
75370	Bogart Creek Pumping Station (PS) Service Area Diversion	-	-	-	-	-	-	-	431	669	5,056	5,720	5,720	-	-	17,596
Sub Total Enhancement/Improvement		-	-	-	-	-	-	-	591	968	6,994	7,898	7,898	-	-	24,349
Total Tangible Capital Assets		748,156	402,849	128,794	242,375	286,792	244,448	218,803	264,518	259,746	224,673	198,038	108,615	-	-	3,327,807
Non-Tangible Capital Assets																
Growth/Expansion																
71230	Holland Landing Lagoons Decommissioning	330	50	-	-	-	-	-	-	-	-	-	243	-	-	623
73640	Wastewater System Capacity Assessment	5,737	9,356	-	4,780	4,500	500	500	500	500	500	500	500	500	500	27,873



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020				
75640	Wastewater System Capacity Studies	-	-	30	30	30	30	30	30	30	30	30	30	30	30	-	300
79100	Wastewater Master Plan Update	2,026	-	100	300	400	550	400	300	300	300	550	650	450	-	-	6,026
	Sub Total Growth/Expansion	8,092	9,406	130	5,110	4,930	1,080	930	830	830	1,080	1,180	1,223	-	-	34,821	
Enhancement/Improvement																	
73690	Capital Delivery Process Improvements - Wastewater	2,135	150	290	250	-	-	-	-	-	-	-	-	-	-	-	2,825
75380	Wastewater Model Calibration	-	100	120	-	200	150	-	200	150	-	200	150	-	-	-	1,270
79470	Wastewater (WW) Conservation Authority (CA) Joint Initiative	5,377	1,709	1,608	1,885	1,979	2,078	2,182	2,291	2,405	2,526	2,652	2,785	-	-	-	29,477
	Sub Total Enhancement/Improvement	7,512	1,959	2,018	2,135	2,179	2,228	2,182	2,491	2,555	2,526	2,852	2,935	-	-	33,572	
	Total Non-Tangible Capital Assets	15,604	11,365	2,148	7,245	7,109	3,308	3,112	3,321	3,385	3,606	4,032	4,158	-	-	68,393	
	TOTAL GROSS EXPENDITURES	763,760	414,214	130,942	249,620	293,901	247,756	221,915	267,839	263,131	228,279	202,070	112,773	-	-	3,396,200	



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
		(in \$000's)													
FINANCING SOURCES															
Regional Sources															
	Committed Non Growth User Rate	1,847	-	-	-	-	-	-	-	-	-	-	-	-	1,847
	Contribution from Operating	22,229	12,320	15,503	12,131	17,317	19,600	23,146	18,232	18,254	18,527	22,632	17,915	-	217,806
	Developer Up-Front Financing	53,084	19,550	-	50,684	25,200	-	144	-	-	-	-	243	-	148,905
	Development Charges	56,556	16,326	2,650	5,684	7,452	4,524	400	1,761	2,538	15,114	27,068	13,718	-	153,791
	Development Charges Committed	4,038	-	-	-	-	-	-	-	-	-	-	-	-	4,038
	Reserve: Capital Replacement	66,090	1,650	8,455	9,412	7,387	19,606	17,793	36,581	15,216	14,216	16,900	16,900	-	230,206
	Sub Total Regional Sources	203,844	49,846	26,608	77,911	57,356	43,730	41,483	56,574	36,008	47,857	66,600	48,776	-	756,593
External Sources															
	Federal Funding	-	15,045	30,090	-	-	-	-	-	-	-	-	-	-	45,135
	Other Recoveries	31,069	46,463	15,240	10,040	13,080	13,680	10,670	4,610	800	-	-	-	-	145,652
	Provincial Funding	-	15,045	-	-	-	-	-	-	-	-	-	-	-	15,045
	Sub Total External Sources	31,069	76,553	45,330	10,040	13,080	13,680	10,670	4,610	800	-	-	-	-	205,832
	TOTAL AVAILABLE FINANCING	234,912	126,399	71,938	87,951	70,436	57,410	52,153	61,184	36,808	47,857	66,600	48,776	-	962,424
	TOTAL DEBENTURE REQUIREMENTS	528,847	287,815	59,004	161,669	223,465	190,346	169,762	206,655	226,323	180,422	135,470	63,997	-	2,433,775
	TOTAL FINANCING SOURCES	763,760	414,214	130,942	249,620	293,901	247,756	221,915	267,839	263,131	228,279	202,070	112,773	-	3,396,200
DEBENTURE REPAYMENT SOURCES															
	Prior Years	197,950	-	-	-	-	-	-	-	-	-	-	-	-	197,950
	Development Charges	267,488	258,019	50,527	147,616	211,856	177,833	158,905	199,095	225,011	180,422	135,470	63,997	-	2,076,239
	User Rates	63,409	29,796	8,477	14,053	11,609	12,513	10,857	7,560	1,312	-	-	-	-	159,586
	TOTAL DEBENTURE REQUIREMENTS	528,847	287,815	59,004	161,669	223,465	190,346	169,762	206,655	226,323	180,422	135,470	63,997	-	2,433,775

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Wastewater Services
10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Rate Supported									
71220	Queensville/Holland Landing/Sharon York Durham Sewage System (YDSS) Connection	75,884	-	-	-	-	-	-	75,884
71230	Holland Landing Lagoons Decommissioning	243	-	-	-	-	-	-	243
72230	Joe Dales Foremains & Pumping Station (PS) Upgrades	6,388	-	-	5,803	585	-	-	-
72240	Keswick Water Pollution Control Plant (WPCP) Expansion	38,808	-	-	38,808	-	-	-	-
72360	Duffin Creek Water Pollution Control Plant (WPCP) Outfall / Effluent Strategy	80,750	-	-	64,600	-	-	-	16,150
72530	Duffin Creek Stages 1 & 2 Upgrade and Refurbishment	194,850	-	-	155,880	-	-	-	38,970
73640	Wastewater System Capacity Assessment	12,780	-	-	12,780	-	-	-	-
73690	Capital Delivery Process Improvements - Wastewater	540	-	-	-	-	-	540	-
73720	York Durham Sewage System (YDSS) Duffin Creek Water Pollution Control Plant (WPCP) (Phase 3) Expansi	63,190	-	-	20,100	-	30,090	-	13,000
74030	~York Durham Sewage System (YDSS) 16th Ave Trunk (Stone Mason-Woodbine)	4,400	-	-	4,400	-	-	-	-
74040	York Durham Sewage System (YDSS) Southeast Collector	324,882	-	-	324,882	-	-	-	-
74270A	Upper York Sewage Solutions (Pre-Construction)	16,850	-	-	16,850	-	-	-	-
74270B	Upper York Sewage Solutions (Construction)	478,950	-	-	478,950	-	-	-	-

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Wastewater Services
10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
75290	North Markham Trunk Sewer	23,725	-	-	23,725	-	-	-	-
75300A	West Vaughan Sewage Servicing (Pre-Construction)	2,900	-	-	2,900	-	-	-	-
75300B	West Vaughan Sewage Servicing (Construction)	155,700	-	-	155,700	-	-	-	-
75310	East Vaughan Trunk Sewer	103,708	-	-	103,708	-	-	-	-
75320A	Primary Trunk Sewer Study (Pre-Construction)	3,073	-	-	3,073	-	-	-	-
75320B	Primary Trunk Sewer Study (Construction)	136,000	-	-	136,000	-	-	-	-
75330	Green Lane Sewer Diversion	2,777	-	-	2,777	-	-	-	-
75340	East Queensville Pumping Station (PS) and Forcemain	16,001	-	-	16,001	-	-	-	-
75350	Sharon Trunk Sewer	10,490	-	-	10,490	-	-	-	-
75360	Newmarket Pumping Station (PS) Forcemain	6,753	-	-	-	6,753	-	-	-
75370	Bogart Creek Pumping Station (PS) Service Area Diversion	17,596	-	-	-	17,596	-	-	-
75380	Wastewater Model Calibration	1,170	-	-	-	-	-	1,170	-
75570	Existing Odour Control Facility (OCF) Modification Work	5,810	-	5,810	-	-	-	-	-
75640	Wastewater System Capacity Studies	300	-	-	-	-	-	300	-
76340	York Durham Sewage System (YDSS) Duffin Creek Water Pollution Control Plant (WPCP) Upgrade	137,656	-	137,656	-	-	-	-	-
77090	York Durham Sewage System (YDSS) Langstaff Trunk	180	-	-	36	-	-	-	144

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Environmental Services
Wastewater Services

10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
77470	Kleinburg Water Pollution Control Plant (WPCP) Expansion/Extension of YDSS	4,669	-	-	-	4,669	-	-	-
78520	Wastewater General	25,887	-	-	-	-	-	25,887	-
78531	Pumping Wastewater	47,621	-	-	-	-	-	47,621	-
78533	Wastewater Treatment	21,262	-	-	-	-	-	21,262	-
78534	Meter Chamber Wastewater	8,800	-	-	-	-	-	8,800	-
78536	Trunk Sewer	34,377	-	-	-	-	-	34,377	-
78537	Trunk Forcemain	2,265	-	-	-	-	-	2,265	-
78538	Odour Control	7,275	-	-	-	-	-	7,275	-
78550	Supervisory Control and Data Acquisition (SCADA) Communication Network Wastewater	3,705	-	-	-	-	-	3,705	-
78573	Technology Integration Wastewater	665	-	-	-	-	-	665	-
78574	Technology Development & Implementation Wastewater	6,999	-	-	-	-	-	6,999	-
79100	Wastewater Master Plan Update	4,000	-	-	-	4,000	-	-	-
79470	Wastewater (WW) Conservation Authority (CA) Joint Initiative	22,391	-	-	-	-	-	22,391	-
79570	Sutton Water Pollution Control Plant (WPCP) Expansion	33,600	-	-	-	33,600	-	-	-
79740	Peel System Cost Shared Works	39,650	-	-	39,650	-	-	-	-
79850	York Durham Sewage System (YDSS) Duffin Creek Minor Capital	19,000	-	19,000	-	-	-	-	-
79890	York Durham Sewage System (YDSS) -Leslie Pumping Station (PS) Upgrade	13,706	-	-	-	13,706	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name	(in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/venture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
	Total Rate Supported		2,218,226	-	162,466	1,617,113	80,909	30,090	183,257	144,391
TOTAL FINANCING SOURCES										
			2,218,226	-	162,466	1,617,113	80,909	30,090	183,257	144,391

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2011 Capital Business Plan

Solid Waste Management

Capital Strategy

Delivery of solid waste management services in the Region requires a network of conveniently located waste receiving and processing facilities. These facilities manage yard waste, household hazardous waste (HHW), blue box recyclable materials, source separated organics (SSO), reusable goods and residual waste collected by municipalities and dropped off by the general public. With the Provincial commitment to halt exports of Canadian waste to Michigan and the Region's commitment to a diversion target of 65%, new facilities are required to manage the Region's residual waste and expand diversion programs. The Region has taken a balanced approach to insourcing and outsourcing waste management operations to maximize quality service delivery and control costs.

The quantity of waste produced in the Region is driven by consumer habits, population growth and economic conditions. With increasing public pressure to divert more waste, existing programs and facilities will need to expand to meet future needs.

To achieve long-term sustainability, York Region's integrated waste management program encourages:



1. **Reduction** of packaging and improved handling options to prevent waste generation.
2. **Re-use** of products and materials to maximize their useful life.
3. **Recycling** of materials to reduce consumption of new raw materials.
4. **Recovery** of energy and recyclable materials to minimize reliance on landfills.

York Region's Sustainable Waste Management Hierarchy

The inverted pyramid illustrated above emphasizes that primary sustainability benefits result from expending greatest efforts at the top of the hierarchy by preventing waste generation at the source. Through leadership and advocacy efforts with local municipalities, government agencies and stakeholders, York Region is working to shape Provincial waste management policies and to advocate for full extended producer responsibility for products and packaging. York Region also conducts frequent events with re-use partners and has integrated a re-use module into our new Community Environmental Centres by partnering with Goodwill and Habitat for Humanity.

Developed in partnership with the local municipalities, York Region's Joint Waste Diversion Strategy endorses recycling as a fundamental diversion activity. York Region and the local municipalities provide educational programs to increase public participation in diversion programs and to raise awareness of sustainable consumer choices.

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Solid Waste Management

With a 57% Waste Diversion Ontario (WDO) unverified diversion rate in 2009, York Region continues to be a leader in waste diversion through its successful Blue Box and Organics programs. Being a leader requires building new paths to achieve higher diversion; sometimes there are bumps along the way as experienced in 2010 with significant disruptions at our contracted organics processing facilities. Opening Community Environmental Centres throughout the Region will provide a greater opportunity for public participation in diversion of waste materials.

Providing Blue Box material processing capacity in a changing environment of increased Extended Producer Responsibility

Turning Blue Box materials into recyclable commodities is an important component of York Region's diversion strategy. The materials collected in the Blue Box program are processed in the Material Recovery Facility (MRF) located at the Region's Garfield Wright Waste Management Centre (WMC). Miller Waste Systems is the current contract operator for a 10 year term spanning from July 2010 to July 2020.

The MRF is currently operating at its original design capacity. Efforts are being made to increase processing capacity and improve efficiency through enhancements of the existing facility. In 2008, a residue sort-station was installed which has increased the capture of recyclable materials. In 2010/11 capital upgrades to increase processing capacity through installation of state of the art technology upgrades allow redeployment of manual sorting labour. The award of Federal/Provincial stimulus funding for this project requires completion of the upgrades by March 2011, with a possibility of extension to October 31, 2011.

Future additional Blue Box processing capacity will be required to address the influences of continued population growth, improved promotional efforts, the presence of new materials in the waste stream and the expansion of recycling services to multi-residential dwellings, parks and recreation facilities. The Integrated Waste Management Master Plan, currently in development, will assess these factors in the context of Ontario's recent signals of movement towards a greater level of Extended Producer Responsibility (EPR) and will outline a long-term strategy to address the Region's future obligations for Blue Box material processing.

Composting of source separated organics is an important and challenging component of York's diversion strategy

York Region's residents have responded enthusiastically to the roll-out of the Green Bin program. Processing of organic waste into compost, a beneficial agricultural growing media supplement, currently represents almost half of the Region's overall diversion achievement. The success of SSO programs Province-wide has out-paced the growth of compost processing capacity. Operational challenges and odour problems have also plagued the SSO processing industry, which are aggressively being addressed by the Ministry of the Environment.

Currently York Region contracts composting of its source separated organic materials to three privately owned facilities, Orgaworld in London, Universal Resource Recovery in Welland and Wecare Organics in Massachusetts. These facilities provide York with

2011 Capital Business Plan

Solid Waste Management

sufficient processing capacity to meet its needs for the next several years. Both Orgaworld and Universal Resource Recovery have experienced significant reductions in processing capacity and ultimately, facility shutdowns, due to odour impacts on the local communities. This has significantly impacted York Region's ability to divert organic material. Contingency disposal capacity was secured to dispose of SSO material that could not be processed at these facilities. Dealing with industry instability and processing disruptions has negatively impacted the potential for York Region's diversion achievement over the past three years.

To address these difficulties, York Region, in partnership with Dufferin County, is proceeding to develop a municipally owned compost processing facility in Dufferin County. Proceeding with this important project will provide the Region with its own secure and stable source separated organics processing capacity to be supplemented by continuation of contract services. This project was awarded a grant and a low interest loan totalling \$3,250,000 by the Federation of Canadian Municipalities' Green Municipal Fund. A Request for Proposals to design, build and operate the York-Dufferin composting facility was issued in 2010 with award anticipated in 2011. It is anticipated that construction of this facility will begin late 2011, with operation commencing in 2014.

Leaf and yard waste composting adds to diversion

Collection and composting of leaf and yard waste also contributes to diversion. Currently the majority of the Region's leaf and yard waste is composted under contract to Miller Waste Systems at its Bloomington Road facility. In proceeding with the York Dufferin source separated organics composting project, consideration will be given to the facility's capabilities to contribute to fulfilling the Region's leaf and yard waste composting needs in both the near and long term.

Region's network of Community Environmental Centres will expand accessibility to waste management services

Establishment of a network of Community Environmental Centres (CEC's) is a key element of the Region's solid waste management infrastructure, as put forward in the updated Joint Waste Diversion Strategy and approved by Regional Council in Fall 2009. The Region's CEC's are intended to provide members of the public with conveniently located points of access to solid waste management services not available curbside. Periodically, residents require services to dispose of bulky recyclables or extra quantities of materials. A Regional network of CEC's will facilitate the reuse, recycling and disposal of residential materials as well as small quantities of industrial, commercial and institutional materials. The following outlines the planned schedule for implementation of the CEC network.

2011 Capital Business Plan

Solid Waste Management

Name/Location	Date
McCleary Court CEC in Vaughan	June 2009 - Commenced operation
Elgin Mills CEC in Richmond Hill	2010 - Construction phase
Warden Ave. CEC in Georgina	2011 - Construction phase
CEC #4	2013 - Commence planning and design
Additional Future CEC's	To be determined

Municipal hazardous special waste (MHSW) and waste electronics and electrical equipment (WEEE) programs remove potentially harmful materials from the waste stream

As the Region proceeds forward to implement its vision of a more sustainable waste management system, it becomes increasingly important to work to remove hazardous substances from the residual waste stream and ensure that those substances are dealt with in an environmentally sound manner. To achieve this, the Region provides its residents with a network of facilities where residents can drop off household hazardous waste and waste electronics. Through specialized contract services at these locations, the hazardous electronic materials are then recycled to the extent possible or treated and disposed of in an environmentally secure fashion.

MHSW and WEEE material has been designated under the Waste Diversion Act and collection, processing and disposal of this material is now funded by brand owners and first importers of these products.

Current MHSW & WEEE drop-off locations include the Georgina Transfer Station, the Bales Drive HHW Depot in East Gwillimbury, the Rodick Road HHW Depot in Markham and the Rutherford Road HHW depot in Vaughan. In addition WEEE materials are accepted at the McCleary Court Community Environmental Centre. Future Community Environmental Centres will accept both MHSW and WEEE materials.

Strategy for management of residual waste is key to long-term sustainability

Consistent with the 4 R's hierarchy illustrated above, after all efforts at waste diversion have been expended, York Region is seeking to manage its remaining residual waste primarily through energy recovery, with landfill disposal remaining as the final and least preferred option. To this end, York Region has established a residual waste processing contract with Dongara Pellet Plant LP to convert up to 100,000 tonnes per year of residual solid waste into a fuel pellet product suitable for use in approved industrial combustion processes to displace consumption of fossil fuels. York Region's contract with Dongara runs until 2028.

York Region is also partnering with Durham Region to jointly develop an Energy From Waste facility in Clarington, Ontario (Durham Region). York has committed to an initial contribution

2011 Capital Business Plan Solid Waste Management

of 30,000 tonnes per year of residual waste to the facility, while also reserving the right to increase its contribution through expansion of the facility in the future. The Durham York Energy From Waste project represents a sustainable approach to management of York Region's residual waste that enhances security, diversification and stability in the long-term.

As a municipally-owned partnership, the Durham York Energy From Waste project offers long-term security for a sustainable waste management option within the public sector's control. Retaining Regional ownership and control reduces reliance on third party contractors and provides the Region with the ability to respond directly to the dynamics of regulatory change, market conditions and other factors that could potentially influence reliable provision of waste management services.

Joint participation in the Energy From Waste project with Durham Region also provides York Region with important diversification within the context of a sustainable waste management system. The Durham York Energy From Waste project provides a long-term option to augment and complement York's other commitment to Energy From Waste through the Dongara pelletization process. Maintaining a diversified approach is an important element of a prudent long-term waste management strategy and allows flexibility to respond to change.

The Environmental Assessment for the joint Durham York Energy From Waste project has been approved. The design and construction of the Durham York Energy From Waste facility will begin as early as 2011 with completion expected by late 2014.

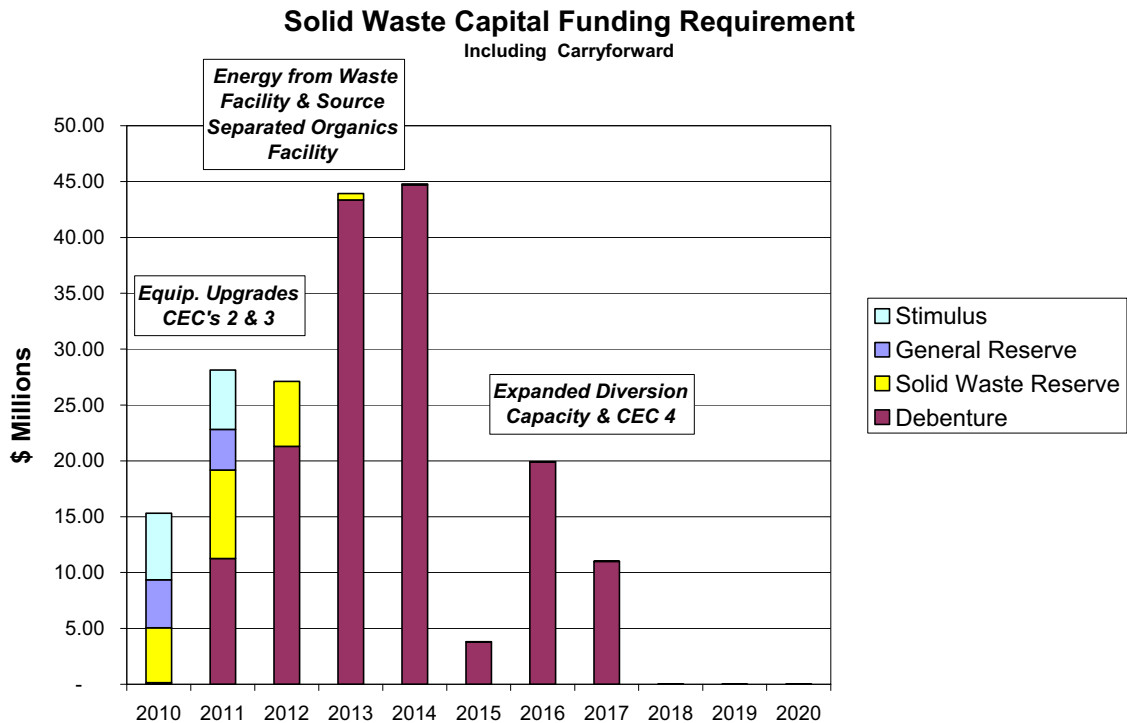
For the foreseeable future, some landfill disposal of residual waste will continue to be required. As a minimum, bottom ash from Energy From Waste and some materials that cannot be thermally processed will require landfilling. York has a long-term contract with the City of Toronto to dispose of residual waste at the Green Lane Landfill near London, Ontario. The contract establishes rights to disposal capacity ranging from 25,000 up to 82,000 tonnes of residual waste per year to the end of the term in 2022.

Additional landfill capacity had to be secured in 2010 with Walker Brothers and Waste Management of Canada Corporation to manage Source Separated Organic material that could not be processed at Orgaworld or Universal due to plant closures and will continue to form a basis for contingency in the near-term.

Funding the Region's waste management infrastructure

As outlined above, existing and new waste management facilities will need to be maintained, constructed and funded partially through the Solid Waste Management Reserve Fund. This fund was financed through royalty payments from the City of Toronto's Keele Valley Landfill Site which ended in 2003. Since the establishment of Waste Diversion Ontario (WDO), the Region has been allocating its share of Blue Box funding received (50/50 split with local municipalities) to this reserve.

2011 Capital Business Plan Solid Waste Management



The opening Solid Waste Reserve fund balance for 2010 was \$19.5 million, consisting of Keele Valley royalty payments of \$8.1M, WDO funding of \$10.0M and \$1.4M contribution from operations. The Keele Valley royalty payments will be fully spent by the end of 2011 given the expenditures proposed in this business plan. Additional funding through debenture will be required in 2011 and beyond, to provide for future needs such as Expanded Diversion Capacity, construction of additional CEC's, the proposed Energy From Waste Facility, and Source Separated Organics Composting Facility. Eligible Federal and Provincial stimulus funding of \$11.5 M will be used to offset debenture costs for the Richmond Hill CEC and equipment upgrades to the Waste Management Facility in East Gwillimbury.

2011 Capital Business Plan

Solid Waste Management

Key Initiatives 10 Year Plan

Waste Management Centre (WMC)

- Expansion of the WMC will be explored to allow other types of source separated blue box materials to be accepted and increase processing capacity to meet future needs
- Modification of the WMC equipment to further automate blue box recyclable processing will be completed early in 2011
- This project received infrastructure stimulus funding totalling \$5.1M

Public Drop-off

- Siting of additional Community Environmental Centres (CEC's) capable of handling HHW, electronic waste, residual waste, yard waste, reusable and/or recyclable materials dropped off by residents and/or small businesses is underway
- Retrofit of the Georgina Transfer Station on Warden Avenue, to improve its functionality as a CEC is also planned for 2011
- Construction of the Elgin Mills Road CEC started in 2010 and is scheduled for completion in 2011. This project received infrastructure stimulus funding totalling \$6.5M.
- Budgeted amounts of \$5.4 million and \$14.5 million have been provided for the Warden Avenue (Georgina) and Elgin Mills Road (Richmond Hill) CEC's respectively
- Long term strategy includes constructing additional facilities to service the Region

York Durham Residual Waste Environmental Assessment and Energy From Waste Facility

- After extensive public consultation, the Region finalized the site for construction of a long term Energy From Waste Facility for York and Durham Regions in Clarington
- The Environmental Assessment has been approved and York Region, in partnership with Durham Region, will begin construction of an Energy From Waste Facility, planned for completion late 2014

Source Separated Organics Facility

- Proposals for design specifications of a Source Separated Organics Facility are currently under review. Pending Council decision, construction could begin as early as late 2011

New Projects Added to the 2011 Budget Process

No new projects were added in this budget process.

2011 Capital Business Plan

Solid Waste Management

Long Term Outlook 10 Year Plan

Expenditures

Development of the Region's capital infrastructure is part of a long term strategy to secure reliable processing resources for diversion and disposal of materials and meet the Region's diversion goals. Regional ownership in Community Environmental Centres, a Source Separated Organics facility, an Energy From Waste facility and expansion of blue box capacity are capital investments needed to achieve this 10 year plan. Increased funding will be required to complete these projects and meet the Region's expanding growth and diversion needs.



2011 Business Plan and Budget
Environmental Services
Solid Waste Management
10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Equipment Upgrade/Replacement	406	20	20	20	20	20	20	20	20	20	586
Hazardous Waste Depots	-	750	-	-	-	-	-	-	-	-	750
Sub Total Rehabilitation/Replacement	406	770	20	20	20	20	20	20	20	20	1,336
Growth/Expansion											
Community Environmental Centres	5,555	-	350	6,900	2,750	2,000	-	-	-	-	17,555
Material Recycling Plants	-	-	-	40	1,040	17,900	11,000	-	-	-	29,980
Sub Total Growth/Expansion	5,555	-	350	6,940	3,790	19,900	11,000	-	-	-	47,535
Enhancement/Improvement											
Community Environmental Centres	-	-	500	-	-	-	-	-	-	-	500
Energy from Waste Plants	-	17,000	20,000	17,300	-	-	-	-	-	-	54,300
Source Separated Organics Plants	-	1,000	11,548	20,462	-	-	-	-	-	-	33,010
Sub Total Enhancement/Improvement	-	18,000	32,048	37,762	-	-	-	-	-	-	87,810
Total Tangible Capital Assets	5,961	18,770	32,418	44,722	3,810	19,920	11,020	20	20	20	136,681
Non-Tangible Capital Assets											
Growth/Expansion											
Planning & Studies	-	-	50	50	-	-	-	-	-	-	100
Sub Total Growth/Expansion	-	-	50	50	-	-	-	-	-	-	100
Enhancement/Improvement											



2011 Business Plan and Budget

**Environmental Services
Solid Waste Management**

10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Planning & Studies	-	500	-	-	-	-	-	-	-	-	500
Sub Total Enhancement/Improvement	-	500	-	-	-	-	-	-	-	-	500
Total Non-Tangible Capital Assets	-	500	50	50	-	-	-	-	-	-	600
TOTAL GROSS EXPENDITURES	5,961	19,270	32,468	44,772	3,810	19,920	11,020	20	20	20	137,281

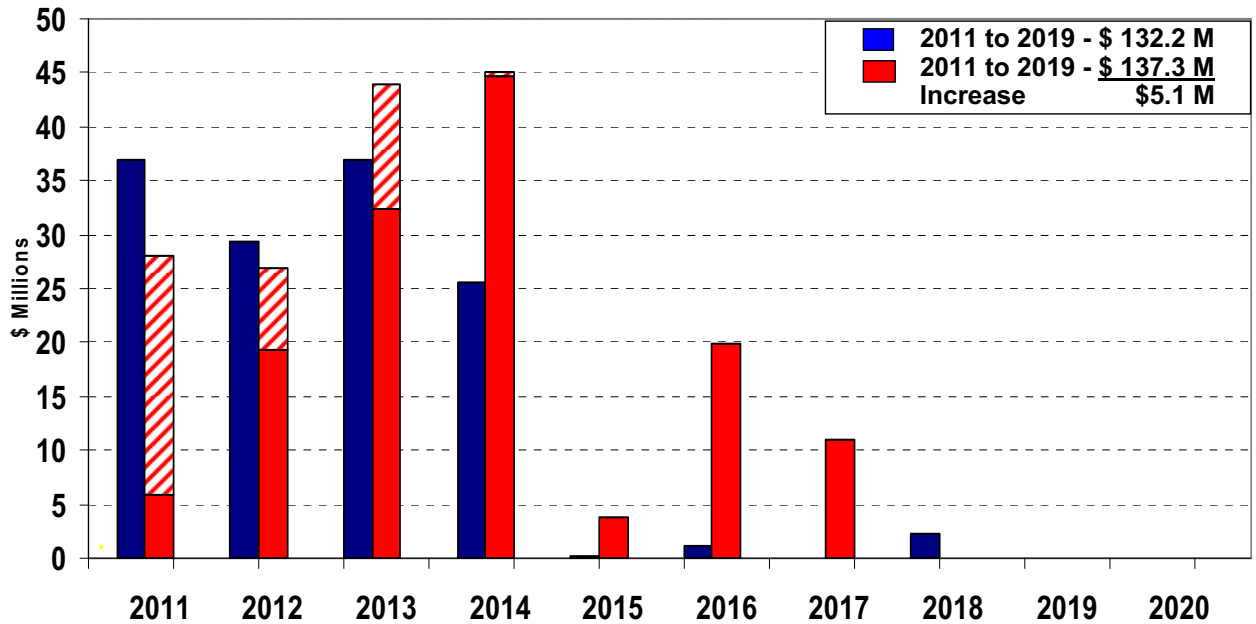
Total Rehabilitation/Replacement	406	770	20	20	20	20	20	20	20	20	1,336
Total Growth/Expansion	5,555	-	400	6,990	3,790	19,900	11,000	-	-	-	47,635
Total Enhancement/Improvement	-	18,500	32,048	37,762	-	-	-	-	-	-	88,310
TOTAL GROSS EXPENDITURES	5,961	19,270	32,468	44,772	3,810	19,920	11,020	20	20	20	137,281

FINANCING											
Reserves	(5,961)	(1,270)	(570)	(70)	(20)	(20)	(20)	(20)	(20)	(20)	(7,991)
Debtenture Proceeds	-	(18,000)	(31,898)	(44,702)	(3,790)	(19,900)	(11,000)	-	-	-	(129,290)
Development Charges	-	-	-	-	-	-	-	-	-	-	-
Grants & Subsidies	-	-	-	-	-	-	-	-	-	-	-
TOTAL FINANCING	(5,961)	(19,270)	(32,468)	(44,772)	(3,810)	(19,920)	(11,020)	(20)	(20)	(20)	(137,281)
TAX LEVY	-	-	-	-	-	-	-	-	-	-	-

2011 Capital Business Plan Solid Waste Management

2010 Plan vs. 2011 Plan

Gross Costs Comparison (2011 to 2019)



2010 Versus 2011 Capital Plan
Annual Budgeted Costs (SWM)

■ 2010 Capital Plan
 ■ 2011 Capital Plan
 2011 Carry Forward

2011 Capital Business Plan Solid Waste Management

Explanation of Cost Increase

Comparison of the 2010 and 2011 plans above shows an increase in cost of \$5M between 2011 and 2019. The following table summarizes major projects accounting for the cost increase:

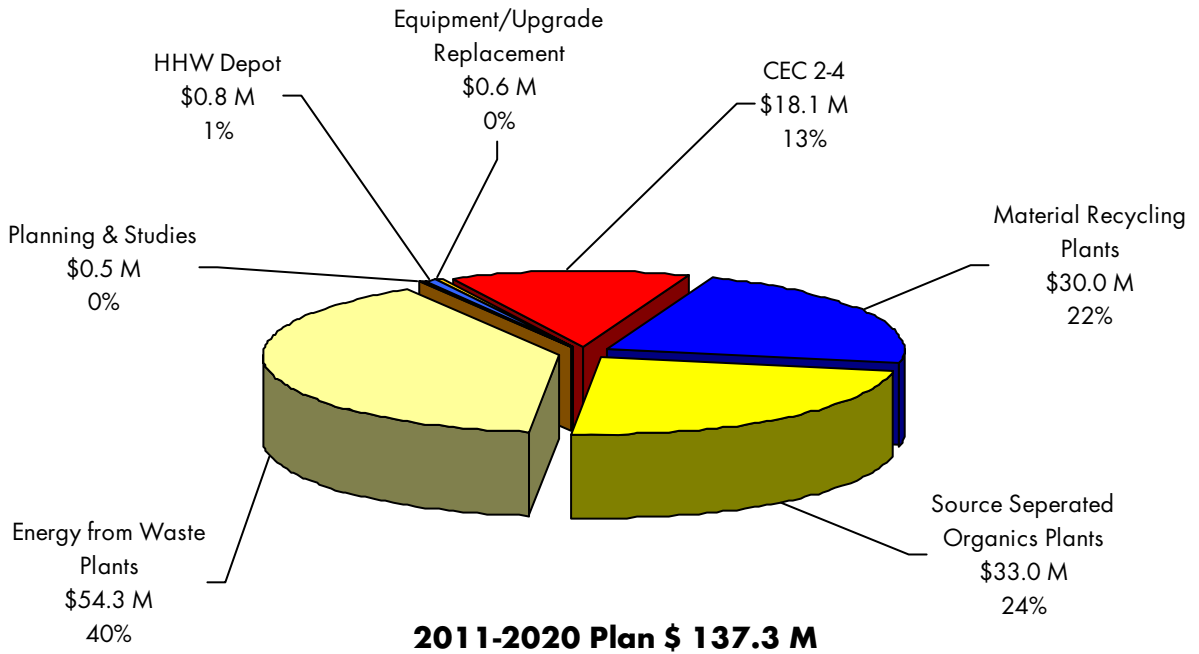
Project	2010 Plan Total Budgeted Cost 2011-2019	2011 Plan Total Budgeted Cost 2011-2019	Difference
Community Environmental Centre's 2 and 4	\$7M	\$14M	\$7M Increased CEC #4 (to service south-east York Region) by \$5M to reflect current market costs; increased Elgin Mills Road CEC by \$2M for scope and contingency requirements subject to the Long-Term Integrated Waste Management Master Plan.
Community Environmental Centre's 5, 6 and 7	\$3M		(\$3M) Moved back, outside of the 10 year Capital Plan range.
Various Projects with Increases		\$1M	\$1M Increases in 3 projects ranging from \$100K to \$500K

Projects that received funding increase approval by Council, subsequent to approval of the 2010 Ten Year Capital Plan

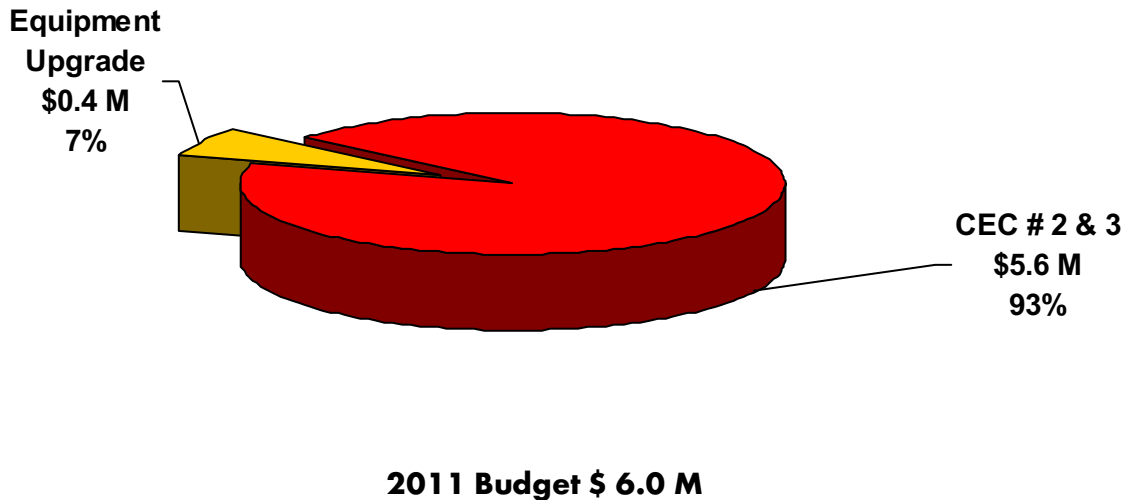
Project	2010 Plan Total Budgeted Cost 2011-2019	2011 Plan Total Budgeted Cost 2011-2019	Difference
Source Separated Organics Facility (#71335)	\$17M	\$33M	\$16M Approval of additional project costs totalling \$16M received via Council report in June 2010.
Energy From Waste Facility (#71325)	\$40M	\$54M	\$14M Approval of additional project costs totalling \$14M received via Council report in September 2010.
Community Environmental Centre GTS #3 (#71285)		\$4M	\$4M Approval of additional project costs totalling \$4M received via Council report in September 2010.

2011 Capital Business Plan Solid Waste Management

10 Year Capital Plan

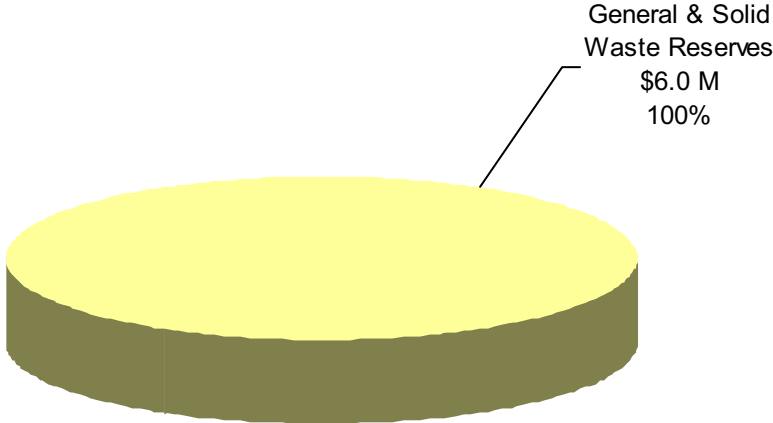


2011 Budget



2011 Capital Business Plan Solid Waste Management

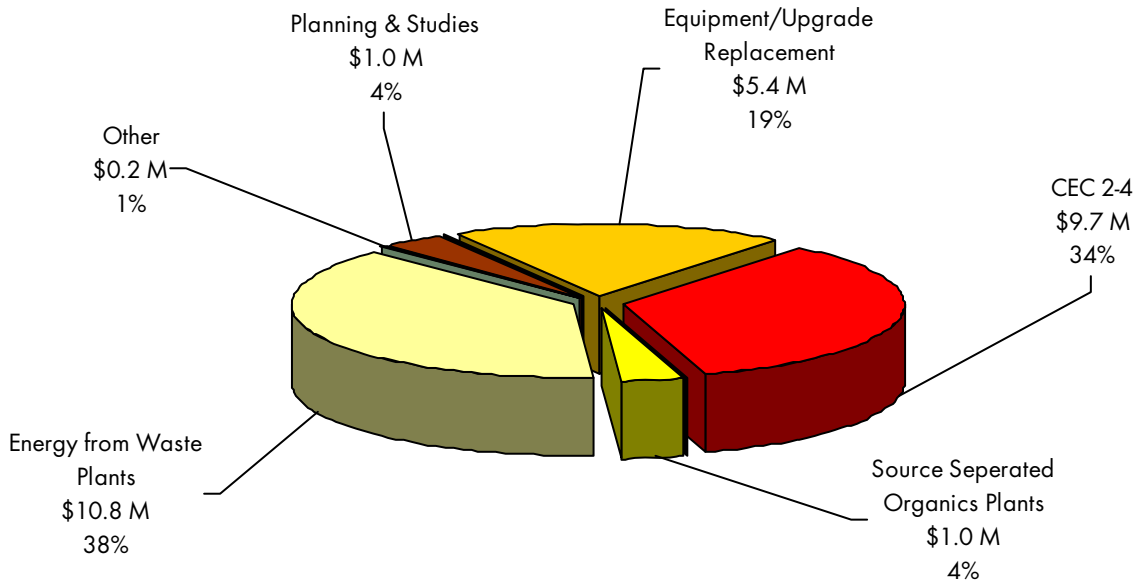
2011 Budget – Cash Flow Sources



2011 Budget
\$6.0 M
Cash Flow Sources
(SWM)

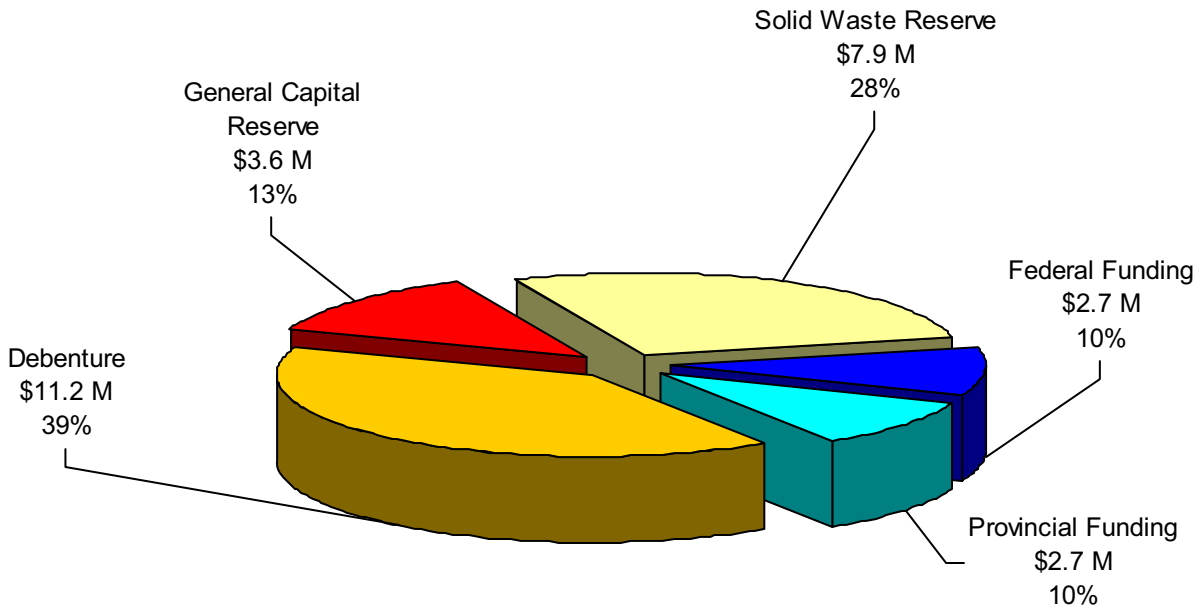
2011 Capital Business Plan Solid Waste Management

Total 2011 Budget (Incl. Carry Forward)



Total 2011 Budget \$ 28.1 M

Total 2011 Budget – Cash Flow Sources (Incl. Carry Forward)



**Total 2011 Budget
\$ 28.1 M
Cash Flow Sources
(SWM)**



2011 Business Plan and Budget
 Environmental Services
 Solid Waste Management

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	-	-	-	-	-	-	200	409	417	425
Debt Repayment	-	-	-	-	-	-	1,033	3,636	3,634	3,633
Contract/Program Costs	-	-	-	-	-	-	941	960	979	999
Total Gross Costs	-	-	-	-	-	-	2,175	5,004	5,031	5,057
Revenues										
Revenue	-	-	-	-	-	-	(159)	(162)	(169)	(169)
Total Revenues	-	-	-	-	-	-	(159)	(162)	(169)	(169)
Total Net Cost (Tax Levy)	-	-	-	-	-	-	2,016	4,842	4,862	4,889

2011 Capital Business Plan

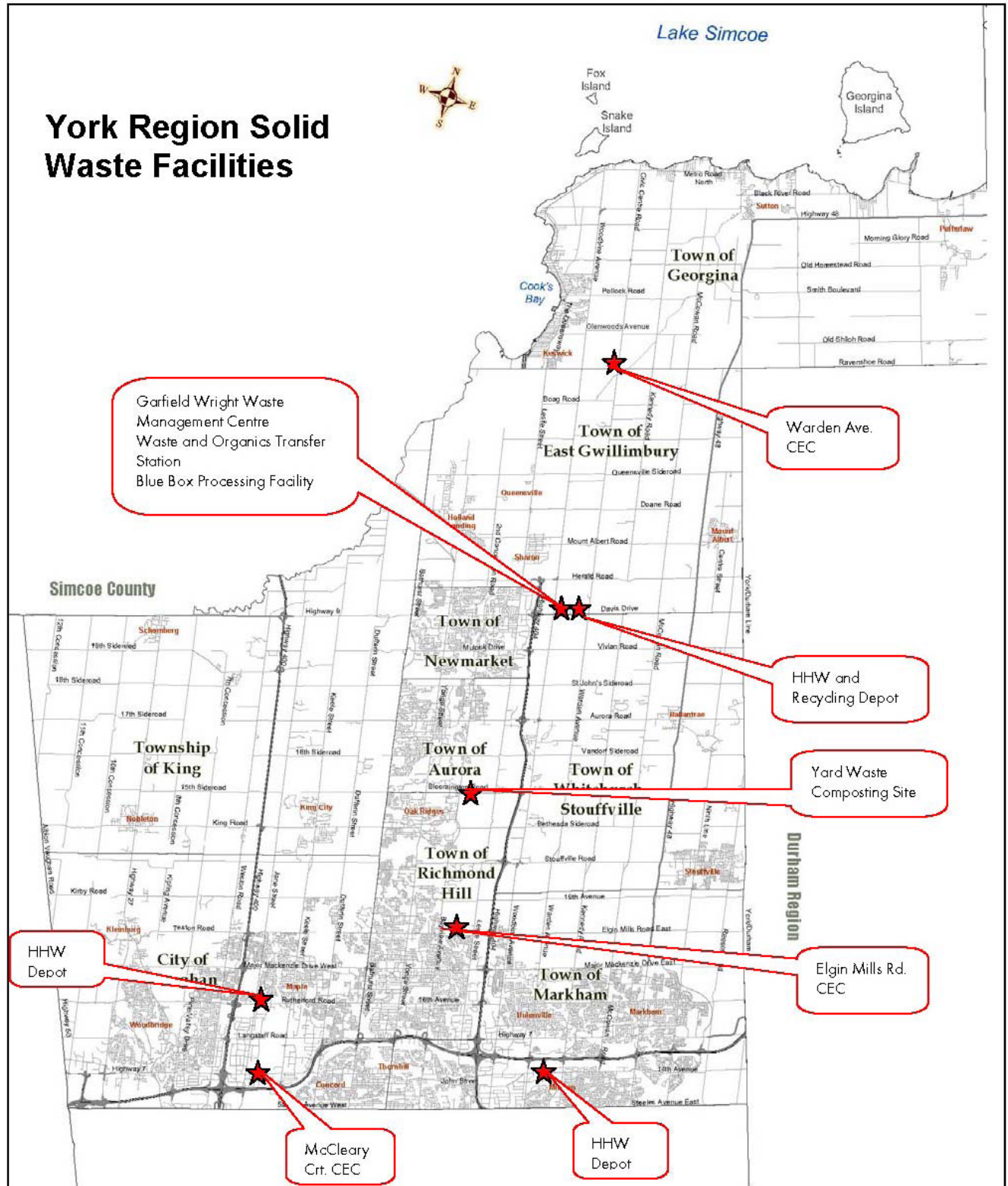
Solid Waste Management

Pressures of Net Operating Impact of New Capital Projects

The net operating impact for projects requiring council approval in the 10 year Capital Plan includes \$11,936K in principal and interest costs for the Expanded Diversion Capacity and CEC #4 required to service south-east York Region. Salaries and wages represent four (4) FTE's required for the following positions; Community Environmental Centres (2), Expanded Diversion Capacity (1) and Infrastructure Planning (1).

2011 Capital Business Plan Solid Waste Management

Appendix





2011 Business Plan and Budget
Environmental Services
Solid Waste Management
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
73455	Equipment Upgrades/Replacement - Public Drop-off	6	-	-	-	-	-	6
75585	ISF Equipment Upgrades	400	-	-	-	-	-	400
	Sub Total Rehabilitation/Replacement	406	-	-	-	-	-	406
Growth/Expansion								
71285	Community Environ.Ctr. - Georgina Transfer Station #3	7	-	-	-	-	-	7
76335	ISF Community Environ.Ctr - Richmond Hill#2	2,000	-	-	-	-	-	2,000
	Sub Total Growth/Expansion	2,007	-	-	-	-	-	2,007
Enhancement/Improvement								
71325	Energy From Waste Facility	(16,000)	5,000	8,000	3,000	-	-	-
71335	Source Separated Organics Facility	(17,300)	(14,055)	11,548	20,462	-	-	655
	Sub Total Enhancement/Improvement	(33,300)	(9,055)	19,548	23,462	-	-	655
	Total Tangible Capital Assets	(30,887)	(9,055)	19,548	23,462	-	-	3,068



2011 Business Plan and Budget
Environmental Services
Solid Waste Management
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Non-Tangible Capital Assets								
	Enhancement/Improvement							
70195	Solid Waste Master Plan	-	500	-	-	-	-	500
	Sub Total Enhancement/Improvement	-	500	-	-	-	-	500
	Total Non-Tangible Capital Assets	-	500	-	-	-	-	500
	TOTAL GROSS EXPENDITURES	(30,887)	(8,555)	19,548	23,462	-	-	3,568



2011 Business Planning and Budgets
Environmental Services
Solid Waste Management
2011 New Total Project Budget Authority Explanations

Project #	Project Name	2010	2011	New
		Approved TPBA	Approved TPBA	TPBA 2011-2014
		(in \$000's)		
Projects Approved as part of the 2010 TPBA				
Tangible Capital Assets				
Rehabilitation/Replacement				
73455	Equipment Upgrades/ Replacement - Public Drop-off	20	26	6
75585	ISF Equipment Upgrade	7,600	8,000	400
<p>Equipment upgrade and replacement at the four Household Hazardous Waste (HHW) sites. Extended rehabilitation budget in outlook years from 2014 to 2020 for equipment upgrades and repair work required on an ongoing basis.</p> <p>Equipment upgrades for the Waste Management Ctr (WMC) in East Gwillimbury. Examples of such upgrades include optical sorting, eddy current separator, Supervisory, Control and Data Acquisition (scada) system and electronic logging. Increase of \$400K for additional equipment that was not part of the original scope of the project.</p>				
Sub Total Rehabilitation/Replacement				406
Growth/ Expansion				
71285	Community Environ.Ctr. - GTS #3	5,348	5,355	7
<p>Redesign of Public Drop-off at Georgina Transfer Station (GTS) to facilitate residential waste in a more efficient manner. 2010 "in year" council approval of \$3.548 M</p>				



2011 Business Planning and Budgets

Environmental Services

Solid Waste Management

2011 New Total Project Budget Authority Explanations

Project #	Project Name	2010	2011	New
		Approved TPBA	Approved TPBA	TPBA 2011-2014
		(in \$000's)		
76335	ISF Community Environmental Centre - Richmond Hill#2	12,500	14,500	2,000
Sub Total Growth/Expansion				2,007
Enhancement/ Improvement				
71335	Source Separated Organics (SSO)	46,255	46,910	655
Sub Total Enhancement/Improvement				655
Total Tangible Capital Assets				3,068



2011 Business Planning and Budgets
 Environmental Services
 Solid Waste Management

2011 New Total Project Budget Authority Explanations

Project #	Project Name	2010	2011	New TPBA 2011-2014	
		Approved TPBA	Approved TPBA		
(in \$000's)					
Non-Tangible Capital Assets					
Enhancement/ Improvement					
70195	Solid Waste Master Plan	Develop a long term integrated Master Plan for Solid Waste management as requested by council. \$500K expenditure moved to 2012 to accommodate RFP scheduled for 2011.	1,350	1,850	500
Sub Total Enhancement/Improvement					500
Total Non-Tangible Capital Assets					500
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA					3,568
TOTAL GROSS EXPENDITURES					3,568

2011 Business Plan and Budget



Environmental Services

Solid Waste Management

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
70195	Solid Waste Master Plan	500	-	500	-	-	-	-	-
71285	Community Environ.Ctr. - GTS #3	7	-	7	-	-	-	-	-
71335	Source Separated Organics Facility	655	-	-	655	-	-	-	-
73455	Equipment Upgrades/Replacement - Public Drop-off	6	-	6	-	-	-	-	-
75585	ISF Equipment Upgrades	400	-	400	-	-	-	-	-
76335	ISF Community Environ.Ctr - Richmond Hill#2	2,000	-	2,000	-	-	-	-	-
Total Tax Supported		3,568	-	2,913	655	-	-	-	-
TOTAL FINANCING SOURCES		3,568	-	2,913	655	-	-	-	-



2011 Business Plan and Budget
Environmental Services
Solid Waste Management
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020				
GROSS EXPENDITURES																	
Tangible Capital Assets																	
Rehabilitation/Replacement																	
73455	Equipment Upgrades/Replacement - Public Drop-off	-	20	6	20	20	20	20	20	20	20	20	20	20	20	-	206
75585	ISF Equipment Upgrades	7,600	-	400	-	-	-	-	-	-	-	-	-	-	-	-	8,000
79935	Household Hazardous Waste Depot - Vaughan	1,499	-	-	750	-	-	-	-	-	-	-	-	-	-	-	2,249
	Sub Total Rehabilitation/Replacement	9,099	20	406	770	20	20	20	20	20	20	20	20	20	20	-	10,455
Growth/Expansion																	
71285	Community Environ.Ctr. - Georgina Transfer Stn #3	200	1,600	3,555	-	-	-	-	-	-	-	-	-	-	-	-	5,355
71315	Expanded Diversion Capacity	270	20	-	-	40	1,040	17,900	11,000	-	-	-	-	-	-	-	30,270
74235	Community Environ.Ctr. #4	-	-	-	350	2,750	2,000	-	-	-	-	-	-	-	-	-	12,000
76335	ISF Community Environ.Ctr - Elgin Mills Road	12,500	-	2,000	-	-	-	-	-	-	-	-	-	-	-	-	14,500
	Sub Total Growth/Expansion	12,970	1,620	5,555	350	6,940	3,790	19,900	11,000	-	-	-	-	-	-	-	62,125
Enhancement/Improvement																	
71325	Energy From Waste Facility	4,000	10,000	-	17,000	20,000	17,300	-	-	-	-	-	-	-	-	-	68,300
71335	Source Separated Organics Facility	4,600	9,300	-	1,000	11,548	20,462	-	-	-	-	-	-	-	-	-	46,910
72545	Community Environmental Ctr Richmond Hill - Household Hazardous Waste Addition	-	-	-	-	500	-	-	-	-	-	-	-	-	-	-	500
	Sub Total Enhancement/Improvement	8,600	19,300	-	18,000	32,048	37,762	-	-	-	-	-	-	-	-	-	115,710
	Total Tangible Capital Assets	30,669	20,940	5,961	18,770	32,418	44,722	3,810	19,920	11,020	20	20	20	20	20	-	188,290



2011 Business Plan and Budget
Environmental Services
Solid Waste Management
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
(in \$000's)															
Non-Tangible Capital Assets															
Growth/Expansion															
79885	New Waste Management Initiatives	2,138	100	-	-	50	50	-	-	-	-	-	-	-	2,338
Sub Total Growth/Expansion		2,138	100	-	-	50	50	-	-	-	-	-	-	-	2,338
Enhancement/Improvement															
70195	Solid Waste Master Plan	1,350	-	-	500	-	-	-	-	-	-	-	-	-	1,850
Sub Total Enhancement/Improvement		1,350	-	-	500	-	-	-	-	-	-	-	-	-	1,850
Total Non-Tangible Capital Assets		3,488	100	-	500	50	50	-	-	-	-	-	-	-	4,188
TOTAL GROSS EXPENDITURES		34,156	21,040	5,961	19,270	32,468	44,772	3,810	19,920	11,020	20	20	20	-	192,477



2011 Business Plan and Budget
Environmental Services
Solid Waste Management
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
FINANCING SOURCES															
Regional Sources															
	Development Charges	7	-	-	-	-	-	-	-	-	-	-	-	-	7
	Reserve: Current Tax Levy	25	-	-	-	-	-	-	-	-	-	-	-	-	25
	Reserve: General Capital	7,783	-	400	-	-	-	-	-	-	-	-	-	-	8,183
	Reserve: Solid Waste	7,905	1,720	5,561	1,270	570	70	20	20	20	20	20	20	-	17,216
	Sub Total Regional Sources	15,719	1,720	5,961	1,270	570	70	20	20	20	20	20	20	-	25,430
External Sources															
	Federal Funding	5,784	-	-	-	-	-	-	-	-	-	-	-	-	5,784
	Provincial Funding	5,783	-	-	-	-	-	-	-	-	-	-	-	-	5,783
	Sub Total External Sources	11,567	-	-	-	-	-	-	-	-	-	-	-	-	11,567
	TOTAL AVAILABLE FINANCING	27,286	1,720	5,961	1,270	570	70	20	20	20	20	20	20	-	36,997
	TOTAL DEBENTURE REQUIREMENTS	6,870	19,320	-	18,000	31,898	44,702	3,790	19,900	11,000	-	-	-	-	155,480
	TOTAL FINANCING SOURCES	34,156	21,040	5,961	19,270	32,468	44,772	3,810	19,920	11,020	20	20	20	-	192,477
DEBENTURE REPAYMENT SOURCES															
	Prior Years	1,870	-	-	-	-	-	-	-	-	-	-	-	-	1,870
	Tax Levy	5,000	19,320	-	18,000	31,898	44,702	3,790	19,900	11,000	-	-	-	-	153,610
	TOTAL DEBENTURE REQUIREMENTS	6,870	19,320	-	18,000	31,898	44,702	3,790	19,900	11,000	-	-	-	-	155,480



2011 Business Plan and Budget

Environmental Services

Solid Waste Management

10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
70195	Solid Waste Master Plan	500	-	500	-	-	-	-	-
71285	Community Environ. Ctr. - Georgina Transfer Stn #3	3,555	-	3,555	-	-	-	-	-
71315	Expanded Diversion Capacity	29,980	-	-	29,980	-	-	-	-
71325	Energy From Waste Facility	54,300	-	-	54,300	-	-	-	-
71335	Source Separated Organics Facility	33,010	-	-	33,010	-	-	-	-
72545	Community Environmental Ctr Richmond Hill - Household Hazardous Waste Addition	500	-	500	-	-	-	-	-
73455	Equipment Upgrades/Replacement - Public Drop-off	186	-	186	-	-	-	-	-
74235	Community Environ. Ctr. #4	12,000	-	-	12,000	-	-	-	-
75585	ISF Equipment Upgrades	400	-	400	-	-	-	-	-
76335	ISF Community Environ. Ctr - Elgin Mills Road	2,000	-	2,000	-	-	-	-	-
79885	New Waste Management Initiatives	100	-	100	-	-	-	-	-
79935	Household Hazardous Waste Depot - Vaughan	750	-	750	-	-	-	-	-
Total Tax Supported		137,281	-	7,991	129,290	-	-	-	-
TOTAL FINANCING SOURCES		137,281	-	7,991	129,290	-	-	-	-

2011 Capital Business Plan

Emergency Medical Services

Capital Strategy

The EMS 10-Year Capital plan is focused on the strategic positioning of Paramedic Response Stations and the replacement of medical equipment, technology, and vehicles based on their expected life cycle. The Capital Strategy is aligned with Regional growth, the Community and Health Services Multi-Year Plan, Vision 2026, and the legislation and regulations under the Ambulance Act of Ontario.

The strategic positioning of Paramedic Response Stations contributes to maintaining response time reliability and providing equitable emergency and mobile health services throughout York Region. The York Region EMS capital strategy focuses on improving existing or establishing Paramedic Response Stations in partnership with other Regional or municipal services, which is concurrent with growth in population and call demand. Where partnerships are not feasible, stand-alone stations will be built to address operational needs.

Additionally, past and proposed station replacements have increased the capacity for deploying future staffing enhancements to address population growth. For the most part, multiple garage-bay stations have been constructed to replace single-bay stations.

EMS maintains a fleet of ambulances, paramedic response unit vehicles and patient care equipment that meet the required Land Ambulance Certification Standards outlined in the Ambulance Act. York Region EMS replaces vehicles and equipment based on established life cycles in order to maintain certification and minimize risk.

This strategic direction is aligned to support the goals of Vision 2026, specifically responding to the needs of our residents, supporting safe and secure communities and continuing to provide and support high quality emergency services throughout York Region.

Key Initiatives

York Region EMS has identified the following capital projects from 2011 to 2020.

Paramedic Response Stations (Currently approved)

Ambulances are required to be strategically located to optimize response reliability and ensure that service levels are closely aligned with service demands. Paramedic response stations directly assist in improving response reliability by positioning resources within close proximity to citizens in need.

- To complete the currently approved projects underway, the following additional funds are required due to increased land costs:
 - Markham-Church (\$ 800,000)
 - Markham - Highway 48 and 14th (\$ 32,000)
 - Pefferlaw (\$125,000)
 - Maple (\$260,000)
 - Newmarket East & West (\$ 30,000 each)

2011 Capital Business Plan

Emergency Medical Services

Ambulances - new

- Regional growth: York Region is the third fastest growing census division in Canada with an annual average population growth of 28,304 people in 2008. As population increases, emergency call-volumes continue to rise and impact service demand on EMS and local hospitals.
- To address growth-related service demands and maintain response time and current service levels, the purchase of 11 additional ambulances is required
- Project timeline - 2011 - 2020 (\$ 2,475,000)

New Projects Added to the 2011 Budget Process

Paramedic Response Stations

York Region EMS requires resources to be strategically placed to optimize service and ensure that service levels are more closely aligned with service demands. Additional paramedic response stations and ambulance vehicle service hours will directly assist in addressing increasing response times and minimize service shortfall.

Thornhill-Central (Station 36) Relocation

- To serve the intensifying population of central Thornhill in east Vaughan and west Markham, the leased EMS station on Clarke Avenue will be relocated to the Yonge Street corridor between Hwy 7 and Steeles Avenue.
- This initiative is aligned with Regional intensification, the Community and Health Services Multi-Year Plan and the new Response Time Framework under the Ambulance Act.
- Project timeline - 2012/2013 (\$1,610,000)

King City (Station 39) Refurbishment

- The existing EMS Station in King City does not meet the Regional standards or the long term operational needs of EMS. As the site is well located and the facility is a retrofitted 1950's volunteer fire hall, a complete demolition and re-build is planned.
- Planned refurbishment is a normal component of business efficiency.
- Project timeline - 2013/2014 (\$ 1,110,000)

Sutton (Station 11) Refurbishment

- The existing EMS Station in Sutton does not meet the Regional standards or the long term operational needs of EMS. As the site is well located and the facility is a converted residential home, a complete demolition and re-build is planned.
- Planned refurbishment is a normal component of business efficiency.
- Project timeline - 2017/2018 (\$1,110,000)

2011 Capital Business Plan

Emergency Medical Services

Vaughan-Kleinburg (Station 33)

- To serve the growing population in north-west Vaughan, a new Paramedic Response Station is required.
- This initiative is in response to Regional growth and is aligned with municipal partnership opportunities.
- Project timeline - 2019/2020 (\$1,610,000)

Medical Equipment and Technology Replacement

York Region EMS has developed a 10-year replacement strategy for non-disposable medical equipment and technology based on current recommended standards and best practices. These include items such as stretchers, equipment carrying devices, vehicle computer workstations, etc. All projects are for replacement of existing equipment or technology.

- Project Timeline - 2011 to 2020 (\$ 6,072,000)

EMS Station Security Retrofit

- Currently EMS stations are secured with manual 'punch code' or keyed locks. This initiative will upgrade all EMS stations to use the Region's corporate proximity card electronic access system. This allows entry into stations to be controlled and monitored by corporate security.
- Extending electronic security to EMS stations allows for monitoring and auditing of individual access to stations. This is in keeping with Ministry of Health and Long Term Care and facility security guidelines.
- Project Timeline - 2011 (\$390,000)

In-Vehicle Computer Aided Dispatch

- Currently EMS vehicles are dispatched verbally over the Provincial FleetNet™ radio system. This requires dispatchers to verbally give and receive all dispatch information and vehicle status information verbally in sequential order (one vehicle at a time). In 2012, the MOH-LTC will upgrade their system to allow for 'electronic' dispatch of EMS vehicles permitting simultaneous dispatch (multi-unit and multi-agency). This project is aligned with the provincial initiative to improve the deployment and dispatch of EMS vehicles.
- Extending electronic dispatch to EMS units in the field reduces dispatch time and improves accuracy. In addition, integrating the MOH-LTC system with the technology already purchased by the Region (e.g.: in-vehicle computers) allows for these investments to be fully realized. In addition, this system will allow for the real-time monitoring of EMS system performance (e.g.: unit availability, location, and response time) by EMS staff). Currently, the monitoring of this information is only available in provincial dispatch centres.
- Project Timeline 2013 (\$300,000)

2011 Capital Business Plan

Emergency Medical Services

EMS Fleet

- Ambulance and Emergency Response Vehicles must meet the provision of the *Ontario Land Ambulance & Emergency Response Vehicle Standard* under the Ambulance Act.
- York Region purchases Ambulance and Emergency Response Vehicles from a vendor certified through the *Ambulance Manufacturer/Supplier Certification Listing* published by the Ministry of Health and Long Term Care.

Ambulances - replacements

- Purchase of 11 replacement ambulance vehicles that meet decommissioning criterion in 2011 (\$2,202,000).

Paramedic Response Vehicles (PRU)

- Purchase of 6 replacement PRUs in 2011 to replace 2003/04 year models. EMS operations deployment plan has incorporated use of PRUs to augment ambulance vehicles in responding to calls for emergency service (\$406,000).

Long Term Outlook (10-Year Plan)

Expenditures

The 10-year capital plan projects the increase in service hours anticipated due to Regional growth, with the purchase of additional ambulance vehicles. Also, a 10-year vehicle, patient care equipment and mobile technology systems replacement plan has been developed. Paramedic Response Stations are also being proposed for construction based on replacement or growth criteria.



2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services
10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Safety & Security	390	-	-	-	-	-	-	-	-	-	390
Specialized Buildings	2,125	3,175	1,360	555	-	-	555	555	-	-	8,325
Specialized Equipment	1,060	345	425	381	900	2,055	500	541	1,150	395	7,752
Vehicles	2,608	2,759	2,664	2,897	2,599	3,032	2,792	3,241	2,848	3,086	28,526
Sub Total Rehabilitation/Replacement	6,183	6,279	4,449	3,833	3,499	5,087	3,847	4,337	3,998	3,481	44,993
Growth/Expansion											
Specialized Buildings	1,085	755	755	755	755	640	640	-	805	805	6,995
Vehicles	225	450	-	450	-	450	-	450	-	450	2,475
Sub Total Growth/Expansion	1,310	1,205	755	1,205	755	1,090	640	450	805	1,255	9,470
Enhancement/Improvement											
Specialized Equipment	360	360	300	-	-	-	-	-	-	-	1,020
Vehicles	900	-	-	-	-	-	-	-	-	-	900
Sub Total Enhancement/Improvement	1,260	360	300	-	-	-	-	-	-	-	1,920
Total Tangible Capital Assets	8,753	7,844	5,504	5,038	4,254	6,177	4,487	4,787	4,803	4,736	56,383
TOTAL GROSS EXPENDITURES	8,753	7,844	5,504	5,038	4,254	6,177	4,487	4,787	4,803	4,736	56,383



2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services
10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Total Rehabilitation/Replacement	6,183	6,279	4,449	3,833	3,499	5,087	3,847	4,337	3,998	3,481	44,993
Total Growth/Expansion	1,310	1,205	755	1,205	755	1,090	640	450	805	1,255	9,470
Total Enhancement/Improvement	1,260	360	300	-	-	-	-	-	-	-	1,920
TOTAL GROSS EXPENDITURES	8,753	7,844	5,504	5,038	4,254	6,177	4,487	4,787	4,803	4,736	56,383

FINANCING											
Reserves	(1,420)	(855)	(425)	(381)	(900)	(2,055)	(500)	(541)	(1,150)	(395)	(8,622)
Debtenture Proceeds	(4,110)	(3,780)	(2,115)	(1,310)	(755)	(640)	(1,195)	(555)	(805)	(805)	(16,070)
Development Charges	(135)	(265)	-	(265)	-	(265)	-	(265)	-	(265)	(1,460)
Grants & Subsidies	-	-	-	-	-	-	-	-	-	-	-
Other Recoveries	-	-	-	-	-	-	-	-	-	-	-
TOTAL FINANCING	(5,665)	(4,900)	(2,540)	(1,956)	(1,655)	(2,960)	(1,695)	(1,361)	(1,955)	(1,465)	(26,152)
TAX LEVY	(3,088)	(2,944)	(2,964)	(3,082)	(2,599)	(3,217)	(2,792)	(3,426)	(2,848)	(3,271)	(30,231)



2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	1,398	4,290	4,377	7,440	7,440	10,416	10,416	13,392	13,392	16,368
Debt Repayment	2	152	540	1,084	1,084	1,278	1,278	1,443	1,586	1,586
Repairs and Maintenance	40	120	142	233	233	324	324	415	415	495
Other Costs	30	90	106	174	174	242	242	310	310	370
Total Gross Costs	1,470	4,652	5,165	8,931	8,931	12,260	12,260	15,560	15,703	18,819
Revenues										
DC on Debt	(1)	(25)	(25)	(219)	(219)	(413)	(413)	(578)	(578)	(578)
Total Revenues	(1)	(25)	(25)	(219)	(219)	(413)	(413)	(578)	(578)	(578)
Total Net Cost (Tax Levy)	1,469	4,628	5,141	8,713	8,713	11,848	11,848	14,983	15,126	18,242

2011 Capital Business Plan

Emergency Medical Services

Pressures of Net Operating Impact of New Capital Projects

The net operating impact of new Capital Projects relates to construction and development of Paramedic Response Stations and the purchase of new emergency response vehicles. In 2011, salaries and benefits have been included for the addition of 14 FTE's related to the acquisition of a new ambulance. Similar amounts are included in the outlook years associated with new ambulance purchases.

Key operating impacts include debenture payments, facilities related, utilities and maintenance costs, staffing costs and vehicle fuel and maintenance costs.



2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
54490	Pefferlaw Station	125	-	-	-	-	-	125
54520	EMS Vehicles - Replacement	2,608	-	-	-	-	-	2,608
54590	Markham Station - 280 Church	800	-	-	-	-	-	800
54600	Medical Equipment Replacement	1,060	-	-	-	-	-	1,060
54625	EMS Security System Upgrade	390	-	-	-	-	-	390
54640	Newmarket Northwest Station	400	1,110	-	-	-	-	1,510
54645	Newmarket Southeast Station	400	1,110	-	-	-	-	1,510
	Sub Total Rehabilitation/Replacement	5,783	2,220	-	-	-	-	8,003
Growth/Expansion								
54301	EMS Vehicles - New	225	-	-	-	-	-	225
54510	Vaughan Station - Maple Teston Rd	260	-	-	-	-	-	260
	Sub Total Growth/Expansion	485	-	-	-	-	-	485
Enhancement/Improvement								
54635	Ambulance Tail-Lift Retrofit	360	360	-	-	-	-	720
	Sub Total Enhancement/Improvement	360	360	-	-	-	-	720
	Total Tangible Capital Assets	6,628	2,580	-	-	-	-	9,208
	TOTAL GROSS EXPENDITURES	6,628	2,580	-	-	-	-	9,208



2011 Business Planning and Budgets
Community and Health Services
Emergency Medical Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2012
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
Rehabilitation/Replacement					
54490	Pefferlaw Station	Purchase of land and establishment of a permanent station in Pefferlaw. Increase in land value and construction costs.	1,175	1,300	125
54520	EMS Vehicles- Replacement	Ongoing EMS ambulance replacement based on established life cycles.	12,442	15,050	2,608
54590	Markham 280 Church St	Purchase of existing four (4) bay EMS Station from the Government of Ontario. Increase in appraised value of property and cost of required renovations.	1,200	2,000	800
54600	Medical Equipment Replacement	Ongoing replacement of EMS medical equipment including carrying bags, mobile computer workstations, and lifting /conveyance devices.	166	1,226	1,060
Sub Total Rehabilitation/Replacement					4,593
Growth/Expansion					
54510	Vaughan Station (Maple Teston)	Construction of a new 2 bay station. Original site (Maple Health Centre) not viable. Additional funds requested for anticipated land acquisition costs of new site and re-design costs.	1,050	1,310	260
Sub Total Growth/Expansion					260



2011 Business Planning and Budgets
Community and Health Services
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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2012
Total Tangible Capital Assets					4,853
TOTAL PROJECTS APPROVED AS PART OF THE 2010 TPBA					4,853
<u>New Projects Added to 2011 TPBA</u>					
Tangible Capital Assets					
Rehabilitation/Replacement					
54625	EMS Security System Upgrade	Upgrade of security system to corporate standard.	-	390	390
54640	Newmarket Northwest Station	One of two stations with two (2) bays replacing the leased 8-bay Cane Parkway facility.	-	1,510	1,510
54645	Newmarket Southeast Station	One of two stations with two (2) bays replacing the leased 8-bay Cane Parkway facility.	-	1,510	1,510
Sub Total Rehabilitation/Replacement					3,410
Growth/Expansion					
54301	EMS Vehicles-New	Purchase of new vehicles. One new ambulance in 2011 to service increased demand in Northwest King Township and opening of Schomberg station.	-	225	225
Sub Total Growth/Expansion					225



2011 Business Planning and Budgets
Community and Health Services
Emergency Medical Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2012
			(in \$000's)		
	Enhancement/Improvement				
54635	Ambulance Tail-Lift Retrofit	Retrofit of Ambulances with hydraulic-electric 'lift-ramp' devices to improve patient and worker safety	-	720	720
	Sub Total Enhancement/Improvement				720
	Total Tangible Capital Assets				4,355
	TOTAL NEW PROJECTS ADDED TO 2011 TPBA				4,355
	TOTAL GROSS EXPENDITURES				9,208

2011 Business Plan and Budget



Community and Health Services
Emergency Medical Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
54301	EMS Vehicles - New	225	90	-	-	135	-	-	-
54490	Pefferlaw Station	125	-	-	125	-	-	-	-
54510	Vaughan Station - Maple Teston Rd	260	-	-	260	-	-	-	-
54520	EMS Vehicles - Replacement	2,608	2,608	-	-	-	-	-	-
54590	Markham Station - 280 Church	800	-	-	800	-	-	-	-
54600	Medical Equipment Replacement	1,060	-	1,060	-	-	-	-	-
54625	EMS Security System Upgrade	390	390	-	-	-	-	-	-
54635	Ambulance Tail-Lift Retrofit	720	-	720	-	-	-	-	-
54640	Newmarket Northwest Station	1,510	-	-	1,510	-	-	-	-
54645	Newmarket Southeast Station	1,510	-	-	1,510	-	-	-	-
Total Tax Supported		9,208	3,088	1,780	4,205	135	-	-	-
TOTAL FINANCING SOURCES		9,208	3,088	1,780	4,205	135	-	-	-



**2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services
10 Year Capital Plan 2011 - 2020**

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)										Balance to Complete	Total Project	
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
GROSS EXPENDITURES																
Tangible Capital Assets																
Rehabilitation/Replacement																
54490	Pefferlaw Station	1,000	175	125	-	-	-	-	-	-	-	-	-	-	-	1,300
54520	EMS Vehicles - Replacement	10,201	2,241	2,608	2,759	2,664	2,897	2,599	3,032	2,792	3,241	2,848	3,086	-	-	40,968
54530	King Township - Nobleton	-	-	150	-	-	-	-	-	-	-	-	-	-	-	150
54540	Paramedics Defibrillators	1,300	-	-	-	-	-	1,680	-	-	-	-	-	-	-	2,980
54590	Markham Station - 280 Church	-	800	1,200	-	-	-	-	-	-	-	-	-	-	-	2,000
54600	Medical Equipment Replacement	-	166	1,060	345	425	381	900	375	500	541	1,150	395	-	-	6,238
54625	EMS Security System Upgrade	-	-	390	-	-	-	-	-	-	-	-	-	-	-	390
54640	Newmarket Northwest Station	-	-	400	1,110	-	-	-	-	-	-	-	-	-	-	1,510
54645	Newmarket Southeast Station	-	-	400	1,110	-	-	-	-	-	-	-	-	-	-	1,510
NEW13	Thornhill Central	-	-	-	805	805	-	-	-	-	-	-	-	-	-	1,610
NEW14	Sutton	-	-	-	-	-	-	-	555	555	-	-	-	-	-	1,110
NEW16	King City	-	-	-	-	555	555	-	-	-	-	-	-	-	-	1,110
Sub Total Rehabilitation/Replacement		12,501	3,382	6,183	6,279	4,449	3,833	3,499	5,087	3,847	4,337	3,998	3,481	-	-	60,876
Growth/Expansion																
54301	EMS Vehicles - New	-	-	225	450	-	450	-	450	-	450	-	450	-	-	2,475
54510	Vaughan Station - Maple Teston Rd	1,050	-	260	-	-	-	-	-	-	-	-	-	-	-	1,310
54580	Vaughan-West Woodbridge	-	250	825	-	-	-	-	-	-	-	-	-	-	-	1,075
NEW06	Markham Station - 48 & 14th	-	-	-	755	755	-	-	-	-	-	-	-	-	-	1,510
NEW07	Richmond Hill Station - NE	-	-	-	-	-	755	755	-	-	-	-	-	-	-	1,510
NEW08	Ballantrae Station	-	-	-	-	-	-	-	640	640	-	-	-	-	-	1,280
NEW15	Vaughan Kleinburg	-	-	-	-	-	-	-	-	-	-	805	805	-	-	1,610
Sub Total Growth/Expansion		1,050	250	1,310	1,205	755	1,205	755	1,090	640	450	805	1,255	-	-	10,770



2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
														(in \$000's)	
Enhancement/Improvement															
54630	Multi-Patient Ambulance	-	100	900	-	-	-	-	-	-	-	-	-	-	1,000
54635	Ambulance Tail-Lift Retrofit	-	-	360	360	-	-	-	-	-	-	-	-	-	720
	NEW18In-Vehicle Computer Aided Dispatch (CAD) for EMS	-	-	-	-	300	-	-	-	-	-	-	-	-	300
	Sub Total Enhancement/Improvement	-	100	1,260	360	300	-	-	-	-	-	-	-	-	2,020
	Total Tangible Capital Assets	13,551	3,732	8,753	7,844	5,504	5,038	4,254	6,177	4,487	4,787	4,803	4,736	-	73,666
	TOTAL GROSS EXPENDITURES	13,551	3,732	8,753	7,844	5,504	5,038	4,254	6,177	4,487	4,787	4,803	4,736	-	73,666
FINANCING SOURCES															
Regional Sources															
	Development Charges	341	-	135	265	-	265	-	265	-	265	-	265	-	1,801
	Other Revenues	313	68	-	-	-	-	-	-	-	-	-	-	-	381
	Reserve: Current Tax Levy	5,636	1,578	3,088	2,944	2,964	3,082	2,599	3,217	2,792	3,426	2,848	3,271	-	37,445
	Reserve: General Capital	1,300	100	1,420	855	425	381	900	2,055	500	541	1,150	395	-	10,022
	Sub Total Regional Sources	7,590	1,746	4,643	4,064	3,389	3,728	3,499	5,537	3,292	4,232	3,998	3,931	-	49,649
External Sources															
	Provincial Funding		661	-	-	-	-	-	-	-	-	-	-	-	4,572
	Sub Total External Sources		661	-	-	-	-	-	-	-	-	-	-	-	4,572
	TOTAL AVAILABLE FINANCING	11,501	2,407	4,643	4,064	3,389	3,728	3,499	5,537	3,292	4,232	3,998	3,931	-	54,221
	TOTAL DEBENTURE REQUIREMENTS	2,050	1,325	4,110	3,780	2,115	1,310	755	640	1,195	555	805	805	-	19,445
	TOTAL FINANCING SOURCES	13,551	3,732	8,753	7,844	5,504	5,038	4,254	6,177	4,487	4,787	4,803	4,736	-	73,666



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Emergency Medical Services
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)							Balance to Complete	Total Project			
				2011	2012	2013	2014	2015	2016	2017			2018	2019	2020
DEBENTURE REPAYMENT SOURCES															
	Development Charges	269	1,106	367	755	755	755	755	640	640	640	-	805	805	7,652
	Tax Levy	1,781	219	3,743	3,025	1,360	555	-	-	555	555	-	-	-	11,793
TOTAL DEBENTURE REQUIREMENTS		2,050	1,325	4,110	3,780	2,115	1,310	755	640	1,195	555	805	805	805	19,445

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Community and Health Services

Emergency Medical Services

10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
54301	EMS Vehicles - New	2,475	1,015	-	-	1,460	-	-	-
54490	Pefferlaw Station	125	-	-	125	-	-	-	-
54510	Vaughan Station - Maple Teston Rd	260	-	-	260	-	-	-	-
54520	EMS Vehicles - Replacement	28,526	28,526	-	-	-	-	-	-
54530	King Township - Nobleton	150	-	150	-	-	-	-	-
54540	Paramedics Defibrillators	1,680	-	1,680	-	-	-	-	-
54580	Vaughan-West Woodbridge	825	-	-	825	-	-	-	-
54590	Markham Station - 280 Church	1,200	-	-	1,200	-	-	-	-
54600	Medical Equipment Replacement	6,072	-	6,072	-	-	-	-	-
54625	EMS Security System Upgrade	390	390	-	-	-	-	-	-
54630	Multi-Patient Ambulance	900	-	-	900	-	-	-	-
54635	Ambulance Tail-Lift Retrofit	720	-	720	-	-	-	-	-
54640	Newmarket Northwest Station	1,510	-	-	1,510	-	-	-	-
54645	Newmarket Southeast Station	1,510	-	-	1,510	-	-	-	-
NEW06	Markham Station - 48 & 14th	1,510	-	-	1,510	-	-	-	-
NEW07	Richmond Hill Station - NE	1,510	-	-	1,510	-	-	-	-
NEW08	Ballantrae Station	1,280	-	-	1,280	-	-	-	-
NEW13	Thornhill Central	1,610	-	-	1,610	-	-	-	-

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name	(in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
NEW14	Sutton		1,110	-	-	1,110	-	-	-	-
NEW15	Vaughan Kleinburg		1,610	-	-	1,610	-	-	-	-
NEW16	King City		1,110	-	-	1,110	-	-	-	-
NEW18	In-Vehicle Computer Aided Dispatch (CAD) for EMS		300	300	-	-	-	-	-	-
Total Tax Supported			56,383	30,231	8,622	16,070	1,460	-	-	-
TOTAL FINANCING SOURCES			56,383	30,231	8,622	16,070	1,460	-	-	-

2011 Capital Business Plan

Long Term Care Services

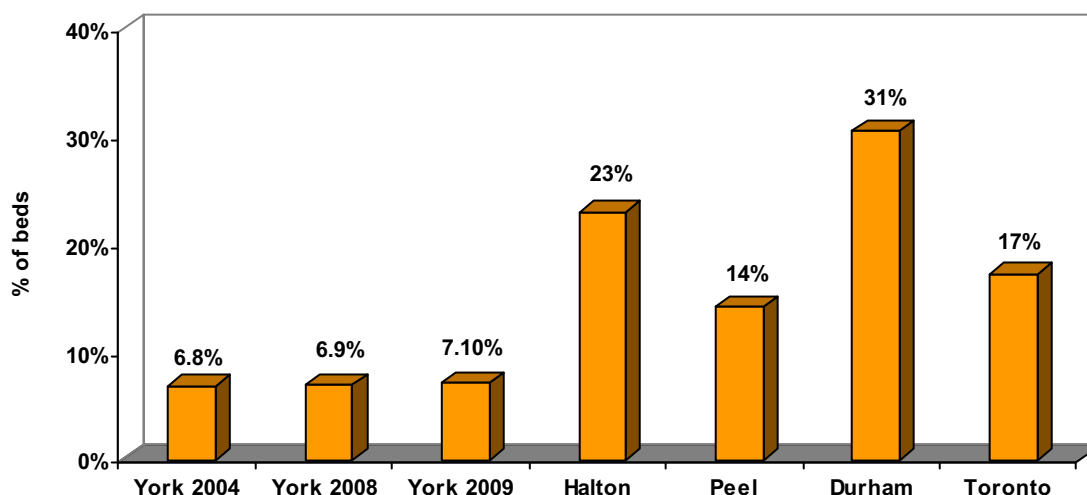
Capital Strategy

Long Term Care (LTC) Division continues to focus on providing services to meet the needs of the difficult to serve/hard to place client with heavy complex physical, cognitive and/or behavioural care requirements.

Future development will focus on expanding this mandate, particularly in areas of the Region where service options are limited. Program expansion is limited to the availability of new funding opportunities through the Provincial Government. The current funding environment for proper expansion is very limited. The Region will continue to maintain and respond to expansion for our operation opportunities as they arise, subject to their viability.

The Regional Municipality of York is currently operating approximately 7.1% of the beds in York Region. By comparison, the percentage of beds operated by Halton, Peel, Durham and Toronto are approximately 23%, 14%, 31% and 17% respectively in 2009.

Regionally Operated LTC Beds v/s Total Beds by Region



Key Initiatives

Long Term Care has identified the following potential future priorities for program expansion.

Maple Health Centre

- Feasibility study for expansion at this site confirmed several viable options. In the short-medium term the most viable, cost effective and least disruptive option is a 28-bed expansion through the construction of two connecting wings that would create an internal courtyard. This expansion option will increase the size of the units from 24-26 beds to the current Ministry standard of 32 beds and will have a positive impact on operational costs and efficiencies at the facility.
- As opportunity presents, application to MOHLTC for an additional 28 beds and funding for expansion at the Maple Health Centre Campus will be done. This may also provide an opportunity to relocate the convalescent care beds to this new unit, and investigate options to increase the number of convalescent care beds.

2011 Capital Business Plan

Long Term Care Services

- Project timeline - 2012-2014 (\$4,536,000)

Georgina Health Centre

- Develop and submit a proposal for a new 100 - 120 bed centre for northern York Region, potentially as part of a joint project with Housing York Inc to incorporate seniors housing and long term care facilities on a multi-use site.
- Northern York Region has been identified as underserved in both seniors housing and long term care services.
- Project is contingent on MOHLTC funding, support of CLHIN and Council approval.
- Project timeline - 2013-2015 (\$16,800,000).

New Projects Added to the 2011 Budget Process

The following equipment and systems need to be replaced due to technology changes, high repair costs and/or life expectancy, and compliance requirements with the new Long Term Care Homes Act, 2007 and Regulations.

Clinical/Direct Care Major Equipment Replacement Plan

- LTC is required to implement a replacement plan for the following equipment:
 - Institutional electric hi/lo health care beds (232) - 10 year life cycle
 - Built-in resident ceiling lifts (185) - 7 year life cycle
 - Bathing facility lifts / slings (9) - 5 year life cycle
 - Portable lifts / slings (9) - 7 year life cycle
- Replacement of operational equipment
- Project timeline - 2011 (\$368,000)

Office Spaces - Furniture and Equipment Standardization

- LTC with the assistance of Property Services has conducted a review of all office space accommodating Regional Staff, including staff lounges, shared resource computer areas and staff meeting rooms. The focus is on bringing these office spaces to Corporate Space and Furniture Standards to improve staff morale and foster an atmosphere of equality.
- The review included Newmarket Health Centre and Maple Health Centre, which identified workspace areas that require furniture to be replaced.
- Project timeline - 2011-2013 (\$350,000)

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Long Term Care Homes and Seniors Community Program Centres – Interior Decoration and Furnishings

- LTC is planning to develop, redesign and upgrade all resident interior space within the two Homes and also the ACL and Adult Day Centre client space. This will include upgrading the furniture, interior decoration and staff lounges. It is planned to hire an interior decorator/consultant to review the sites and provide a plan of action.
- Capital costs totalling \$663,000 include:
 - LTC Homes interior decorations - \$380,000
 - Seniors Community Programs (ACL) units furnishings - \$168,000
 - Adult Day Centres client furnishings - \$115,000
- Project timeline - 2011-2013

Kitchen Equipment Upgrades

- LTC conducted a dietary operational review at Newmarket Health Centre and Maple Health Centre to outline recommendations for improvements, and measure compliance against the new Long Term Care Homes Act, 2007 and most recently, MOHLTC standards.
- Detailed on-site review of current practices with that of MOHLTC standards included food and meal production systems and practices, sanitation practices, food quality, labour analysis, quality improvement tools being used, and equipment needs.
- The review also included pleasurable dining – a detailed on-site review of dining room practices, resident dining experiences and menu planning, in addition to a detailed review of the current menu in comparison to Canada's Food Guide and MOHLTC standards.
- To implement the recommendations from the operational review, dietary servery equipment needs to be replaced in all resident servery spaces, a total of 9 spaces in both Homes. This includes steam wells, flooring, mill work/cabinetry and minor kitchen equipment.
- Project timeline - 2011-2013 (\$350,000).

Conversion of Former Smoking Rooms

- Both Newmarket Health Centre and Maple Health Centre currently have self contained resident smoking rooms located within the living areas. To promote a smoke free environment it is proposed to convert these rooms into resident activity rooms to allow for a healthier setting for the residents, staff, family members and visitors.
- Project timeline - 2011 (\$100,000)

Road Widening / Parking Space Upgrades

- Maple Health Centre identified a traffic safety issue relating to staff, clients and visitors who exit the facility onto Keele Street. A consultant has been hired to do a Traffic Study/Site and Access review for the centre. The review included an assessment of site circulation, parking lot design and potential capacity deficiencies at the intersection of Keele Street and the site driveway, to identify issues and potential improvements.

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- Newmarket Health Centre requires additional parking spaces to allow for adequate parking for staff, resident family members and visitors, and leased office space tenants.
- Project timeline - 2011-2013 (\$550,000)

LTC – Compliance with LTC Homes Act, 2007 and Ontario Regulations 79/10

- With the passing of the Act and Regulations on July 1, 2010, LTC staff identified a number of areas where the Region would be considered non-compliant if the Ministry was to inspect the homes. LTC staff has been working towards ensuring compliance with the Act and Regulations and there are a number of projects that require additional funding to ensure the Region is compliant.

This will allow the homes to implement enhanced security features including digital recording devices and key-coded entry systems. This will also include a number of improvements to the elevators and generators in both homes that are required in order for the Region to comply with the Act and Regulations.

- Project timeline - 2011-2013 (\$1,125,000)

Exterior Pavilion – Newmarket Health Centre

- Large exterior covered pavilion capable of accommodating up to 40 clients in wheelchairs with caregivers. Will provide a safe outdoor space for resident programming and recreational activities with protection from the elements. Additional funding required for completion of project.
- Project timeline - 2011 (\$50,000)

Long Term Outlook (10 Year Plan)

Expenditures

The 10 year capital plan projects the increase of service levels of beds by 2015 with the construction and development of a new Health Centre in northern York Region, subject to an award from the Ministry or the Central LHIN. Also, as opportunity presents, the expansion of Maple Health Centre with the construction and development of 28 additional beds.

An operational equipment and clinical / direct care major equipment replacement plan has been developed based on life cycle and life expectancy.



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10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Accommodation	1,210	1,030	348	-	-	-	-	-	-	-	2,588
Specialized Equipment	368	368	368	338	368	332	332	368	338	338	3,518
Sub Total Rehabilitation/Replacement	1,578	1,398	716	338	368	332	332	368	338	338	6,106
Growth/Expansion											
Infrastructure Property	-	1,000	4,440	11,021	4,875	-	-	-	-	-	21,336
Sub Total Growth/Expansion	-	1,000	4,440	11,021	4,875	-	-	-	-	-	21,336
Enhancement/Improvement											
Accommodation	150	250	150	-	-	-	-	-	-	-	550
Building & Facility Development	50	-	-	-	-	-	-	-	-	-	50
Sub Total Enhancement/Improvement	200	250	150	-	-	-	-	-	-	-	600
Total Tangible Capital Assets	1,778	2,648	5,306	11,359	5,243	332	332	368	338	338	28,042
TOTAL GROSS EXPENDITURES	1,778	2,648	5,306	11,359	5,243	332	332	368	338	338	28,042
Total Rehabilitation/Replacement											
Total Rehabilitation/Replacement	1,578	1,398	716	338	368	332	332	368	338	338	6,106
Total Growth/Expansion											
Total Growth/Expansion	-	1,000	4,440	11,021	4,875	-	-	-	-	-	21,336
Total Enhancement/Improvement											
Total Enhancement/Improvement	200	250	150	-	-	-	-	-	-	-	600
TOTAL GROSS EXPENDITURES	1,778	2,648	5,306	11,359	5,243	332	332	368	338	338	28,042



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10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
FINANCING											
Reserves	(1,778)	(1,648)	(866)	(338)	(368)	(332)	(332)	(368)	(338)	(338)	(6,706)
Debtenture Proceeds	-	(1,000)	(4,440)	(11,021)	(4,875)	-	-	-	-	-	(21,336)
Other Recoveries	-	-	-	-	-	-	-	-	-	-	-
TOTAL FINANCING	(1,778)	(2,648)	(5,306)	(11,359)	(5,243)	(332)	(332)	(368)	(338)	(338)	(28,042)
TAX LEVY	-	-	-	-	-	-	-	-	-	-	-



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Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	-	-	-	-	2,000	10,632	10,951	11,280	11,617	11,617
Debt Repayment	-	-	-	-	599	2,812	2,812	2,812	2,817	2,817
Other Costs	-	-	-	-	279	1,152	1,152	1,152	1,152	1,152
Total Gross Costs	-	-	-	-	2,878	14,596	14,915	15,244	15,586	15,586
Revenues										
Revenue	-	-	-	-	(1,400)	(1,400)	(1,400)	(1,400)	(1,400)	(1,400)
Other Revenue	-	-	-	-	(213)	(7,140)	(7,140)	(7,140)	(7,140)	(7,140)
DC on Debt	-	-	-	-	(177)	(832)	(832)	(832)	(834)	(834)
Total Revenues	-	-	-	-	(1,790)	(9,372)	(9,372)	(9,372)	(9,374)	(9,374)
Total Net Cost (Tax Levy)	-	-	-	-	1,088	5,224	5,543	5,872	6,212	6,212

2011 Capital Business Plan

Long Term Care Services

Pressures of Net Operating Impact of New Capital Projects

The net operating impact relates to construction and development of a new Health Centre and expansion of Maple Health Centre. Key operating impacts include debenture payments, the costs of operating the new / expanded facilities, including staffing and operating costs. These costs are offset by Provincial operating funding, resident accommodation revenue, Provincial capital funding and Development charges revenues.



**2011 Business Plan and Budget
Community and Health Services
Long Term Care**

2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
55245	Resident Beds/lifts and Operational Equipment	368	-	-	-	-	-	368
59405	LTC Act/Regulations Compliance (Newmarket Health Centre/Maple Health Centre)	400	-	-	-	-	-	400
59410	Office Standardization (Newmarket Health Centre/Maple Health Centre)	300	25	25	-	-	-	350
59415	LTC/Day Centres/Alternative Community Living (ACL) - Interior Decor	217	248	198	-	-	-	663
59420	Kitchen Upgrades (Newmarket Health Centre/Maple Health Centre)	193	157	-	-	-	-	350
59430	Conversion of Former Smoking Rooms (Newmarket)	100	-	-	-	-	-	100
	Sub Total Rehabilitation/Replacement	1,578	430	223	-	-	-	2,231
Enhancement/Improvement								
59425	Newmarket Health Centre Parking/Maple Health Centre Driveway	150	250	150	-	-	-	550



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
55192	Exterior Pavilion - Newmarket Health Centre	50	-	-	-	-	-	50
	Sub Total Enhancement/Improvement	200	250	150	-	-	-	600
	Total Tangible Capital Assets	1,778	680	373	-	-	-	2,831
	TOTAL GROSS EXPENDITURES	1,778	680	373	-	-	-	2,831



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Corporate Services
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2011 New Total Project Budget Authority Explanations

Project Name	Project Description / Change Explanation	2010	2011	New
		Approved TPBA	Approved TPBA	TPBA 2011-2013
(in \$000's)				
Projects Approved as part of the 2010 TPBA				
Tangible Capital Assets				
Rehabilitation/Replacement				
55245	Resident Beds/lifts and Operational Equipment	1,104	1,472	368
Sub Total Rehabilitation/Replacement				368
Enhancement/ Improvement				
55192	Exterior Pavilion – Newmarket Health Centre	100	150	50
Sub Total Enhancement/Improvement				50
Total Tangible Capital Assets				418
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA				418



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2011 New Total Project Budget Authority Explanations

Project Name	Project Description / Change Explanation	2010	2011	New
		Approved TPBA	Approved TPBA	TPBA 2011-2013
		(in \$000's)		
<u>New Projects Added to 2011 TPBA</u>				
Tangible Capital Assets				
Rehabilitation/Replacement				
59405	LTC Act/Regulations Compliance (Newmarket Health Centre/Maple Health Centre)	-	400	400
59410	Office Standardization (Newmarket Health Centre/Maple Health Centre)	-	350	350
59415	LTC/Day Centres/Alternative Community Living (ACL) - Interior Decor	-	663	663
59420	Kitchen Upgrades (Newmarket Health Centre/Maple Health Centre)	-	350	350



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2011 New Total Project Budget Authority Explanations

	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2013
			(in \$000's)		
59430	Conversion of Former Smoking Rooms (Newmarket)	Conversion of former smoking rooms into resident activity rooms at the Newmarket and Maple centres.	-	100	100
Sub Total Rehabilitation/Replacement					1,863
Enhancement/ Improvement					
59425	Newmarket Health Centre Parking/Maple Health Centre Driveway	Additional parking spaces at Newmarket Health Centre. Traffic, site and parking study at Maple Health Centre.	-	550	550
Sub Total Enhancement/Improvement					550
Total Tangible Capital Assets					550
TOTAL NEW PROJECTS ADDED TO THE 2011 TPBA					2,413
TOTAL GROSS EXPENDITURES					2,831

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2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debuture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
55192	Exterior Pavilion - Newmarket Health Centre	50	-	50	-	-	-	-	-
55245	Resident Beds/lifts and Operational Equipment	368	-	368	-	-	-	-	-
59405	LTC Act/Regulations Compliance (Newmarket Health Centre/Maple Health Centre)	400	-	400	-	-	-	-	-
59410	Office Standardization (Newmarket Health Centre/Maple Health Centre)	350	-	350	-	-	-	-	-
59415	LTC/Day Centres/Alternative Community Living (ACL) - Interior Decor	663	-	663	-	-	-	-	-
59420	Kitchen Upgrades (Newmarket Health Centre/Maple Health Centre)	350	-	350	-	-	-	-	-
59425	Newmarket Health Centre Parking/Maple Health Centre Driveway	550	-	550	-	-	-	-	-
59430	Conversion of Former Smoking Rooms (Newmarket)	100	-	100	-	-	-	-	-
Total Tax Supported		2,831	-	2,831	-	-	-	-	-
TOTAL FINANCING SOURCES		2,831	-	2,831	-	-	-	-	-



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Rehabilitation/Replacement															
55244	Operational Equipment	330	165	165	165	165	165	165	165	165	165	165	165	-	2,145
55245	Resident Beds	406	203	203	203	203	173	203	167	167	203	173	173	-	2,477
59405	LTC Act/Regulations Compliance (Newmarket Health Centre/Maple Health Centre)	-	-	400	600	125	-	-	-	-	-	-	-	-	1,125
59410	Office Standardization (Newmarket Health Centre/Maple Health Centre)	-	-	300	25	25	-	-	-	-	-	-	-	-	350
59415	LTC/Day Centres/Alternative Community Living (ACL) - Interior Decor	-	-	217	248	198	-	-	-	-	-	-	-	-	663
59420	Kitchen Upgrades (Newmarket Health Centre/Maple Health Centre)	-	-	193	157	-	-	-	-	-	-	-	-	-	350
59430	Conversion of Former Smoking Rooms (Newmarket)	-	-	100	-	-	-	-	-	-	-	-	-	-	100
	Sub Total Rehabilitation/Replacement	736	368	1,578	1,398	716	338	368	332	332	368	338	338	-	7,210
Growth/Expansion															
55215	Maple Health Centre- 28 Bed Addition	-	-	-	1,000	2,500	1,036	-	-	-	-	-	-	-	4,536
59260	Georgina Health Centre (120 beds)	-	-	-	-	1,940	9,985	4,875	-	-	-	-	-	-	16,800
	Sub Total Growth/Expansion	-	-	-	1,000	4,440	11,021	4,875	-	-	-	-	-	-	21,336
Enhancement/Improvement															
55192	Exterior Pavilion - Newmarket Health Centre	100	-	50	-	-	-	-	-	-	-	-	-	-	150



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
															(in \$000's)
59425	Newmarket Health Centre Parking/Maple Health Centre Driveway	-	-	150	250	150	-	-	-	-	-	-	-	-	550
Sub Total Enhancement/Improvement		100	-	200	250	150	-	-	-	-	-	-	-	-	700
Total Tangible Capital Assets		836	368	1,778	2,648	5,306	11,359	5,243	332	332	368	338	338	-	29,246
TOTAL GROSS EXPENDITURES		836	368	1,778	2,648	5,306	11,359	5,243	332	332	368	338	338	-	29,246
FINANCING SOURCES															
Regional Sources															
	Other Revenues	40	-	-	-	-	-	-	-	-	-	-	-	-	40
	Reserve: General Capital	796	368	1,778	1,648	866	338	368	332	332	368	338	338	-	7,870
Sub Total Regional Sources		836	368	1,778	1,648	866	338	368	332	332	368	338	338	-	7,910
TOTAL AVAILABLE FINANCING		836	368	1,778	1,648	866	338	368	332	332	368	338	338	-	7,910
TOTAL DEBENTURE REQUIREMENTS		-	-	-	1,000	4,440	11,021	4,875	-	-	-	-	-	-	21,336
TOTAL FINANCING SOURCES		836	368	1,778	2,648	5,306	11,359	5,243	332	332	368	338	338	-	29,246
DEBENTURE REPAYMENT SOURCES															
	Other	-	-	-	466	2,213	5,872	2,631	-	-	-	-	-	-	11,182
	Development Charges	-	-	-	358	1,492	3,449	1,504	-	-	-	-	-	-	6,803
	Tax Levy	-	-	-	176	735	1,700	740	-	-	-	-	-	-	3,351
TOTAL DEBENTURE REQUIREMENTS		-	-	-	1,000	4,440	11,021	4,875	-	-	-	-	-	-	21,336

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10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
55192	Exterior Pavilion - Newmarket Health Centre	50	-	50	-	-	-	-	-
55215	Maple Health Centre- 28 Bed Addition	4,536	-	-	4,536	-	-	-	-
55244	Operational Equipment	1,650	-	1,650	-	-	-	-	-
55245	Resident Beds	1,868	-	1,868	-	-	-	-	-
59260	Georgina Health Centre (120 beds)	16,800	-	-	16,800	-	-	-	-
59405	LTC Act/Regulations Compliance (Newmarket Health Centre/Maple Health Centre)	1,125	-	1,125	-	-	-	-	-
59410	Office Standardization (Newmarket Health Centre/Maple Health Centre)	350	-	350	-	-	-	-	-
59415	LTC/Day Centres/Alternative Community Living (ACL) - Interior Decor	663	-	663	-	-	-	-	-
59420	Kitchen Upgrades (Newmarket Health Centre/Maple Health Centre)	350	-	350	-	-	-	-	-
59425	Newmarket Health Centre Parking/Maple Health Centre Driveway	550	-	550	-	-	-	-	-
59430	Conversion of Former Smoking Rooms (Newmarket)	100	-	100	-	-	-	-	-
Total Tax Supported		28,042	-	6,706	21,336	-	-	-	-
TOTAL FINANCING SOURCES		28,042	-	6,706	21,336	-	-	-	-

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2011 Capital Business Plan

Housing Services

Capital Strategy

York Region is a designated Consolidated Municipal Service Manager and is responsible for providing cost-effective and efficient housing programs to low to moderate-income households including families with children, singles, couples and seniors in York Region.

Although the Region has experienced economic growth over the past ten years, the global economic downturn has had an impact on York Region residents' ability to sustain affordable housing. Though signs of economic recovery are beginning to appear, analysts predict it could take two or more years to restore lost jobs. This is challenging for a growing number of households in York Region who are experiencing affordable housing issues.

The 2010 edition of "Where's Home" authored by the Ontario Non-Profit Housing Association (ONPHA) and the Co-operative Housing Federation of Canada Ontario Region reported vacancy rates in York Region are at 1.8% which are below the benchmark of 3%, a level which represents a healthy rental market.

As well it is expected the Region's greatest population growth will be residents 65 years and older increasing the need for affordable housing for seniors. Notwithstanding funding barriers and the high demand for affordable housing units, York Region Housing Services Branch is committed to creating sustainable and innovative strategies to develop affordable housing.

The attached capital forecast totaling \$128.4 million represents York Region's plan to deliver more affordable housing over the next several years.

Canada Ontario Affordable Housing Program 2006 - 2008

In 2006, York Region received an allocation of \$26.6 million to develop over 370 affordable rental-housing units under the Canada-Ontario Affordable Housing Program (AHP). York Region approved a portion of that allocation (\$3.5 million) to build Tom Taylor Place, a 50 unit mixed apartment building in Newmarket and \$5.88 million for an 84 unit seniors apartment building in Maple.

In 2008, through the Request for Proposal process Council approved these four groups receive funding for 270 units under the Canada-Ontario Affordable Housing Program. In addition, Council approved conditional grants equal to the amount of regional development charges payable on each of the four affordable housing projects and a one-time Regional Grant for \$10,000 per unit to each of the four groups.

The Affordable Housing Program Extension 2009 - 2011

In 2009, the Ministry introduced the Affordable Housing Program Extension 2009 (AHP Extension) an economic stimulus measure under Canada's Economic Action Plan. York Region received \$25.2 million under the New Rental Housing component of the AHP 2009 Extension Program. Throughout 2009 to 2011, this funding will permit the development of 212 housing units and allow two families to benefit from home ownership.

2011 Capital Business Plan

Housing Services

Key Initiatives

Direct Delivery

Overall, this Capital Plan provides for the direct delivery of 212 units in the period 2009-2011 as outlined below.

Regional Projects

The Capital Plan includes the delivery of the following projects for Housing York Inc. under the New Rental Housing component of the AHP 2009 Extension:

- Kingview Court, King City: This project involves adding 39 units to an existing 27 unit seniors building. The existing building will undergo energy efficiency upgrades and integrate environmental practices to target LEED® certification. The project has received a \$4.7 million allocation under the Canada-Ontario Affordable Housing Program Extension
- Essex, Richmond Hill: This a mixed family nine-storey building with 140 units located in the heart of Richmond Hill. This project received a \$16.8 million allocation under the Affordable Housing Program Extension

Home Ownership

The Homeownership component of the Canada-Ontario Affordable Housing Program Extension 2009 was developed to assist low to moderate-income rental households to purchase affordable homes by providing down payment assistance in the form of a forgivable loan. The Region entered into an agreement with Habitat for Humanity York Region to provide:

- Essex, Richmond Hill: This a mix Two families with \$50,000 in forgivable loans to assist them with the purchase of their homes

Emergency Shelters

York continues to address the need for shelter for its most vulnerable population. In July 2009, York completed the 60-bed expansion of Leeder Place Family Shelter increasing the amount of available shelter beds. In all, York has four emergency shelters and two transitional homes for women who are victims of abuse providing over 175 beds to those in need of emergency shelter.

Projects Added in 2011

York Region will continue to address the lack of affordable housing by utilizing funding from the Investing in Ontario Act, 2008 to create much-needed affordable housing units. York Region has generated a Request for Proposal for the development of new multi-residential units and is committed to collaborating with the community to build a new homeless women's shelter.

2011 Capital Business Plan

Housing Services

Request for Proposal

- Utilizing \$35 million from the Investing in Ontario Act, York Region issued a Request for Proposal to the development industry to build one or more multi-residential buildings with 100 - 180 units. The building(s) will be located in close proximity to transit, employment and human services. Construction is expected to commence in 2011.

Shelter for Single Homeless Women

- York Region is facilitating the development of a shelter for single homeless women in Newmarket utilizing \$5 million from Investing in Ontario Act. The 30 emergency beds and 10 transitional units building is expected to commence construction in 2011

Woodbridge

- York Region is investigating the possibility of intensifying a social housing site owned by Housing York Inc in Woodbridge to 150 units

Long Term Outlook

Expenditure

Federally and provincially capped funding represents a challenge to developing long-term affordable housing for vulnerable York Region residents. The Provincial commitment to upload GTA Pooling, Ontario Disability Support Program and OW benefit costs, may present the Region with new opportunities to invest in the development of affordable housing. Housing Services will follow through on recommendations made through the Multi-Year Plan to develop an Affordable Housing Strategy indentifying housing issues from homelessness to home ownership. The release of a Long-Term Affordable Housing Strategy by the Ministry of Municipal Affairs and Housing due to be released in 2010 will provide guidance, framework and structure to Regional staff in the develop of York Region's Long Term Affordable Housing Strategy.

York Region will continue to monitor Federal, Provincial and Municipal funding opportunities and implement recommendations from the Multi Year plan to support the increasing needs for affordable housing for York Region's vulnerable population.



2011 Business Plan and Budget
Community and Health Services
Housing Services

10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Growth/Expansion											
Building & Facility Development	45,021	-	-	-	-	-	-	-	-	-	45,021
Infrastructure Property	64,120	16,886	-	-	-	-	-	-	-	-	81,006
Specialized Buildings	2,179	-	-	-	-	-	-	-	-	-	2,179
Sub Total Growth/Expansion	111,320	16,886	-	-	-	-	-	-	-	-	128,206
Total Tangible Capital Assets	111,320	16,886	-	-	-	-	-	-	-	-	128,206
Non-Tangible Capital Assets											
Growth/Expansion											
Infrastructure Property	80	80	80	-	-	-	-	-	-	-	240
Sub Total Growth/Expansion	80	80	80	-	-	-	-	-	-	-	240
Total Non-Tangible Capital Assets	80	80	80	-	-	-	-	-	-	-	240
TOTAL GROSS EXPENDITURES	111,400	16,966	80	-	-	-	-	-	-	-	128,446
Total Growth/Expansion	111,400	16,966	80	-	-	-	-	-	-	-	128,446
TOTAL GROSS EXPENDITURES	111,400	16,966	80	-	-	-	-	-	-	-	128,446



2011 Business Plan and Budget
Community and Health Services
Housing Services
10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
FINANCING											
Reserves	(11,771)	7,542	(80)	-	-	-	-	-	-	-	(4,309)
Debtenture Proceeds	(24,522)	(16,708)	-	-	-	-	-	-	-	-	(41,230)
Grants & Subsidies	(75,107)	(7,800)	-	-	-	-	-	-	-	-	(82,907)
Other Recoveries	-	-	-	-	-	-	-	-	-	-	-
TOTAL FINANCING	(111,400)	(16,966)	(80)	-	-	-	-	-	-	-	(128,446)
TAX LEVY	-	-	-	-	-	-	-	-	-	-	-



2011 Business Plan and Budget
Community and Health Services
Housing Services

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
	<i>(in \$ 000's)</i>										
Operating Costs											
Debt Repayment	-	-	974	974	-	-	-	-	-	-	
Replacement Reserve Contribution	-	-	72	72	-	-	-	-	-	-	
Other Costs	-	-	499	499	-	-	-	-	-	-	
Total Gross Costs	-	-	1,545	1,545	-	-	-	-	-	-	
Revenues											
Revenue	-	-	(1,545)	(1,545)	-	-	-	-	-	-	
Total Revenues	-	-	(1,545)	(1,545)	-	-	-	-	-	-	
Total Net Cost (Tax Levy)	-	-	-	-	-	-	-	-	-	-	

2011 Capital Business Plan

Housing Services

Pressures of Net Operating Impact of New Capital Projects

The key operating impacts for Housing include debenture repayments, the costs of operating the new facilities, including staffing requirements, and utility costs. The costs are covered by either tenant rents or from provincial subsidies.



2011 Business Plan and Budget
Community and Health Services
Housing Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Growth/Expansion								
67916	Housing York Inc., Woodbridge Site Intensification	-	7,910	-	-	-	-	7,910
67920	Regional Housing Initiatives	9,721	-	-	-	-	-	9,721
	Sub Total Growth/Expansion	9,721	7,910	-	-	-	-	17,631
	Total Tangible Capital Assets	9,721	7,910	-	-	-	-	17,631
Non-Tangible Capital Assets								
Growth/Expansion								
67510	Pre-Development Costs	80	-	-	-	-	-	80
	Sub Total Growth/Expansion	80	-	-	-	-	-	80
	Total Non-Tangible Capital Assets	80	-	-	-	-	-	80
	TOTAL GROSS EXPENDITURES	9,801	7,910	-	-	-	-	17,711



2011 Business Planning and Budgets
 Community and Health Services
 Housing Services
 2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2011 New Total Project Budget Authority Explanations		
			2010 Approved TPBA	2011 Approved TPBA	New TPBA 2011-2012
(in \$000's)					
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
Growth/ Expansion					
67916	Housing York Inc., Woodbridge Site Intensification	Redevelopment of two underutilized sites currently owned by Housing York Inc. TPBA requested increase is to expand project from 130 to 150 units. The additional debenture financing is to be repaid through tenant rents.	36,002	43,912	7,910
67920	Regional Housing Initiatives	Affordable housing units to be developed with Investing in Ontario funding. TPBA increase relates to additional debenture financing to be repaid through tenant rents	35,300	45,021	9,721
Sub Total Growth/Expansion					17,631
Total Tangible Capital Assets					17,631



2011 Business Planning and Budgets
Community and Health Services
Housing Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2012
(in \$000's)					
Non-Tangible Capital Assets					
Growth/ Expansion					
67510	Pre-Development Costs	Ongoing investigation of potential sites for affordable housing including appraisals, planning analysis and Environmental Assessments. To be funded from Social Housing Reserve.	674	754	80
Sub Total Growth/Expansion					80
Non-Total Tangible Capital Assets					80
TOTAL PROJECTS APPROVED AS PART OF THE 2010 TPBA					17,711
TOTAL GROSS EXPENDITURES					17,711

2011 Business Plan and Budget



Community and Health Services
Housing Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
67510	Pre-Development Costs	80	-	80	-	-	-	-	-
67916	Housing York Inc., Woodbridge Site Intensification	7,910	-	4,686	3,224	-	-	-	-
67920	Regional Housing Initiatives	9,721	-	-	9,721	-	-	-	-
Total Tax Supported		17,711	-	4,766	12,945	-	-	-	-
TOTAL FINANCING SOURCES		17,711	-	4,766	12,945	-	-	-	-



2011 Business Plan and Budget
Community and Health Services
Housing Services
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Growth/Expansion															
67913	Delivering Opportunities for Ontario Renters (DOOR) Projects	2,940	14,745	4,708	-	-	-	-	-	-	-	-	-	-	22,394
67915	Kingsview Court - King Township	1,298	6,543	2,179	-	-	-	-	-	-	-	-	-	-	10,020
67916	Housing York Inc. Woodbridge Site Intensification	-	2,390	24,636	16,886	-	-	-	-	-	-	-	-	-	43,912
67917	Essex Richmond Hill	-	6,310	31,947	-	-	-	-	-	-	-	-	-	-	38,257
67918	Women's Shelter Newmarket	-	2,171	2,829	-	-	-	-	-	-	-	-	-	-	5,000
67920	Regional Housing Initiatives	-	-	45,021	-	-	-	-	-	-	-	-	-	-	45,021
Sub Total Growth/Expansion		4,238	32,159	111,320	16,886	-	-	-	-	-	-	-	-	-	164,604
Total Tangible Capital Assets		4,238	32,159	111,320	16,886	-	-	-	-	-	-	-	-	-	164,604
Non-Tangible Capital Assets															
Growth/Expansion															
67510	Pre-Development Costs	594	80	80	80	80	-	-	-	-	-	-	-	-	914
Sub Total Growth/Expansion		594	80	80	80	80	-	-	-	-	-	-	-	-	914
Total Non-Tangible Capital Assets		594	80	80	80	80	-	-	-	-	-	-	-	-	914
TOTAL GROSS EXPENDITURES		4,832	32,239	111,400	16,966	80	-	-	-	-	-	-	-	-	165,518



2011 Business Plan and Budget
Community and Health Services
Housing Services
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
														(in \$000's)	
FINANCING SOURCES															
Regional Sources															
	Other Revenues	-	2,171	-	-	-	-	-	-	-	-	-	-	-	2,171
	Reserve: Current Tax Levy	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Reserve: Social Housing	2,633	16,745	11,771	(7,542)	80	-	-	-	-	-	-	-	-	23,687
	Sub Total Regional Sources	2,633	18,916	11,771	(7,542)	80	-	-	-	-	-	-	-	-	25,859
External Sources															
	Federal Funding	5	7,223	11,100	3,900	-	-	-	-	-	-	-	-	-	22,228
	Provincial Funding	2,194	6,100	64,007	3,900	-	-	-	-	-	-	-	-	-	76,201
	Sub Total External Sources	2,199	13,323	75,107	7,800	-	-	-	-	-	-	-	-	-	98,429
	TOTAL AVAILABLE FINANCING	4,832	32,239	86,878	258	80	-	-	-	-	-	-	-	-	124,288
	TOTAL DEBENTURE REQUIREMENTS	-	-	24,522	16,708	-	-	-	-	-	-	-	-	-	41,230
	TOTAL FINANCING SOURCES	4,832	32,239	111,400	16,966	80	-	-	-	-	-	-	-	-	165,518
DEBENTURE REPAYMENT SOURCES															
	Region Of York Housing	-	-	18,699	-	-	-	-	-	-	-	-	-	-	18,699
	Other	-	-	5,823	16,708	-	-	-	-	-	-	-	-	-	22,531
	TOTAL DEBENTURE REQUIREMENTS	-	-	24,522	16,708	-	-	-	-	-	-	-	-	-	41,230

2011 Business Plan and Budget

Community and Health Services

Housing Services

10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
67510	Pre-Development Costs	240	-	240	-	-	-	-	-
67913	Delivering Opportunities for Ontario Renters (DOOR) Projects	4,708	-	(3,657)	2,965	-	5,400	-	-
67915	Kingsview Court - King Township	2,179	-	(3,057)	2,858	-	2,378	-	-
67916	Housing York Inc. Woodbridge Site Intensification	41,522	-	17,014	16,708	-	7,800	-	-
67917	Essex Richmond Hill	31,947	-	(6,231)	8,978	-	29,200	-	-
67918	Women's Shelter Newmarket	2,829	-	-	-	-	2,829	-	-
67920	Regional Housing Initiatives	45,021	-	-	9,721	-	35,300	-	-
Total Tax Supported		128,446	-	4,309	41,230	-	82,907	-	-
TOTAL FINANCING SOURCES		128,446	-	4,309	41,230	-	82,907	-	-



10 Year Capital Plan 2011 - 2020

Project Detail

Regional Department: Community and Health Services
 Branch: Public Health Services
 Project Number: 52000
 Project Name: Infectious Disease Control (IDC) Consolidation
 Start Date: July 2011
 Completion Date: October 2011

Location: York Region
 Municipality: York Region
 Project Manager: Dennis Norton
 Year Project Introduced: 2011
 Tangible Capital Asset
 Out Year Approval Required: No

Description of Project:

Consolidate Public Health Infectious Disease Control staff located in 3 separate locations in Newmarket and the Vaccine Depot within one work space in Newmarket.

Deliverable Quantity: 1

Need for Project:

This Project will:

- o Consolidate staffing resources
- o Address urgent crowding issues
- o Establish a regional facility for vaccine storage, distribution and control
- o Provide enhances customer service to York Region parents and the medical community who visit the unit for student vaccine records and vaccine distribution

Need Category: Growth/Expansion

Benefit to Community/Region:

- o Enhanced customer service to parents and medical staff, efficient and effective vaccine management system, for vaccine storage, distribution and control

Capital Cost and Proposed Financing Sources (in \$000's):

	Inception to 2010 Budget	2011	2012	2013	2014 to 2020	Total Project
Gross Cost Total	0	300	0	0	0	300
Revenue Sources:						
Development Charges	0	300	0	0	0	300
Total	0	300	0	0	0	300

Net Operating Impact on New Capital (in \$000's):

to Total Project

Total :

Grand Total:

Service Life Years:

Comments:



2011 Business Plan and Budget
Community and Health Services
Public Health Services
10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Growth/Expansion											
Building & Facility Development	300	-	-	-	-	-	-	-	-	-	300
Sub Total Growth/Expansion	300	-	-	-	-	-	-	-	-	-	300
Total Tangible Capital Assets	300	-	-	-	-	-	-	-	-	-	300
TOTAL GROSS EXPENDITURES	300	-	-	-	-	-	-	-	-	-	300
FINANCING											
Total Growth/Expansion	300	-	-	-	-	-	-	-	-	-	300
TOTAL GROSS EXPENDITURES	300	-	-	-	-	-	-	-	-	-	300
FINANCING											
Development Charges	(300)	-	-	-	-	-	-	-	-	-	(300)
TOTAL FINANCING	(300)	-	-	-	-	-	-	-	-	-	(300)
TAX LEVY	-	-	-	-	-	-	-	-	-	-	-



2011 Business Plan and Budget
Community and Health Services
Public Health Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Growth/Expansion								
52000	Infectious Disease Control (IDC) Consolidation	300	-	-	-	-	-	300
Sub Total Growth/Expansion		300	-	-	-	-	-	300
Total Tangible Capital Assets		300	-	-	-	-	-	300
TOTAL GROSS EXPENDITURES		300	-	-	-	-	-	300



2011 Business Planning and Budgets
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Public Health Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011
			(in \$000's)		
<u>New Projects Introduced to 2011 TPBA</u>					
Tangible Capital Assets					
Rehabilitation/Replacement					
52000	Infectious Disease Control (IDC) Consolidation	Space accommodation to consolidate Public Health Infectious Disease Control staff located in 3 separate locations in Newmarket and the Vaccine Depot within one work space in Newmarket. Project will consolidate employee resources, address overcrowding, provide for single source of vaccine distribution and storage.	-	300	300
Sub Total Rehabilitation/Replacement					300
Total Tangible Capital Assets					300
TOTAL NEW PROJECTS INTRODUCED TO 2011 TPBA					300
TOTAL GROSS EXPENDITURES					300

2011 Business Plan and Budget



Community and Health Services
Public Health Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
52000	Infectious Disease Control (IDC) Consolidation	300	-	-	-	300	-	-	-
Total Tax Supported		300	-	-	-	300	-	-	-
TOTAL FINANCING SOURCES		300	-	-	-	300	-	-	-



2011 Business Plan and Budget
Community and Health Services
Public Health Services
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Growth/Expansion															
52000	Infectious Disease Control (IDC) Consolidation	-	-	300	-	-	-	-	-	-	-	-	-	-	300
53050	Low Income Dental Program	-	252	-	-	-	-	-	-	-	-	-	-	-	252
	Sub Total Growth/Expansion	-	252	300	-	-	-	-	-	-	-	-	-	-	552
	Total Tangible Capital Assets	-	252	300	-	-	-	-	-	-	-	-	-	-	552
	TOTAL GROSS EXPENDITURES	-	252	300	-	-	-	-	-	-	-	-	-	-	552
FINANCING SOURCES															
Regional Sources															
	Development Charges	-	-	300	-	-	-	-	-	-	-	-	-	-	300
	Sub Total Regional Sources	-	-	300	-	-	-	-	-	-	-	-	-	-	300
External Sources															
	Provincial Funding	-	252	-	-	-	-	-	-	-	-	-	-	-	252
	Sub Total External Sources	-	252	-	-	-	-	-	-	-	-	-	-	-	252
	TOTAL AVAILABLE FINANCING	-	252	300	-	-	-	-	-	-	-	-	-	-	552
	TOTAL FINANCING SOURCES	-	252	300	-	-	-	-	-	-	-	-	-	-	552
DEBENTURE REPAYMENT SOURCES															
TOTAL DEBENTURE REQUIREMENTS															

2011 Business Plan and Budget

Community and Health Services

Public Health Services

10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
52000	Infectious Disease Control (IDC) Consolidation	300	-	-	-	300	-	-	-
53050	Low Income Dental Program	-	-	-	-	-	-	-	-
Total Tax Supported		300	-	-	-	300	-	-	-
TOTAL FINANCING SOURCES		300	-	-	-	300	-	-	-

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2011 Capital Business Plan

Information Technology Services

Capital Strategy

The Information Technology capital plan focuses on programs that apply information technology to make the delivery of services to the citizens and the businesses in the Region more efficient and effective.

The Information Technology capital plan consists of projects within program that support three aspects of information technology infrastructure at the Region:

- **Replacement & Rehabilitation** - maintain the installed information technology to ensure it continues to function reliably.
- **Growth / Expansion** - provide information technology equipment for new Region staff and extend information technology based services to all areas in the Region; this includes deployment of strategic initiatives that support high priority Departmental needs.
- **Improvements / Enhancements** - expand the effectiveness of existing systems by implementing additional functions.

Within these three program areas, through consultation with Departments, seventeen key initiatives were identified. Four of these - Asset Management, Business Intelligence; Customer Relationship Management; and Mobile Computing together with Portal Joint Initiative with the Town of Markham are active. The 2011 the Information Technology capital plan includes funding for these.

Key Initiatives

The following corporate capital programs are the key information technology initiatives.

Replacement & Rehabilitation

Telecommunications

In the first half of 2010 the Telecommunications capital program completed the move of the Region to an enhanced voice and data telecommunications system. Now the program is focused on maintaining the new Region telecom equipment while beginning the implementation of the same enhanced systems for York Regional Police.

Data Centre Facilities

Region growth has outstripped the capacity of the computing centre on the 3rd floor of the Administrative Centre to handle new computing equipment. During 2011, alternatives to maintaining a data centre in the Administrative Centre will continue to be evaluated and the cost of data centre facilities at a Central Services building, are budgeted for in this program

Data Security

This program will continue building security processes and implementing the tools needed to more fully secure the Region's information technology infrastructure from physical and cyber vulnerabilities such as hackers, spyware, viruses and other security threats. Again, in 2011

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this program will implement projects that will periodically test the Region's network and computing environment to ensure all vulnerabilities are addressed.

Regional Fibre Network

During 2008, Information Technology Services conducted a study to determine potential savings from replacing fibre optic lines, rented from network providers such as Bell, with Region installed and owned fibre optics. The study determined that over time, a Region owned fibre optic infrastructure is more economical. This program contains the program budget to implement a replacement of the major portion of rented fibre optic lines with Region owned infrastructure.

I. T. Equipment - (PC & Printer User Devices)

This capital program budgets for the replacement of computing equipment such as PCs, laptop computers and departmental printers that are deployed to Regional staff. Beginning in 2011, PC's will start being refreshed on a 4 year cycle, rather than the traditional PC refresh every 3 years.

I. T. Equipment - (Computer Room Equipment)

This capital program budgets for the replacement of computing equipment installed in the Region's computer room and disaster recovery sites.

Enterprise Architecture

York Region's computing environment continues to grow in size and complexity with minimal technology plans and standards for managing in the new environment. This program will advance the definition of the architectural constructs for the business architecture, information architecture, applications architecture and technology architecture.

Joint Portal with the Town of Markham

Beginning in 2008 the Region, in cooperation with the Town of Markham, began the development and implementation for 2010, of portal technology to better coordinate among their respective departments and to better collaborate with their constituents. This program contains budget amounts for the on-going support and update of the Portal system.

Growth/Expansion

e-DOCS Document Management

During 2011 and beyond, the e-Docs program will continue implementation activities for a continued roll-out of e-DOCS (the Region's electronic records retention and document management software) across the Regional departments.

Enterprise Business Systems

York Region uses the Peoplesoft suite of Enterprise Management Software to manage its corporate budgeting and financial planning, accounting, payroll, and human resources information processing. In 2010, the Enterprise Business Systems program will continue implementation of the following business systems projects: Enterprise Resource Planning

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Information Technology Services

application upgrades to meet legislative changes and implement product updates; development of self-service and workflow process enhancements; deployment of new functionality such as Project Costing and Asset Accounting; and expansion of operating and capital budgeting tools. For 2011, several Enterprise Business System sub-projects including Financials, HRMS, Budgeting, ERP RoadMap and System Upgrades, will be merged into one ERP Business System capital project, as these are all integrated elements of one system.

Application Development & Integration

This project supports the development of new technologies to replace out-dated software, migrate and consolidate systems and integrate departmental and corporate applications into a smaller number of common systems.

Mobile Computing – this program will bring together and integrate: a clear understanding of the strategic, tactical and operational advantage of mobile computing in the various lines of business; best practice process changes; and the technology & interfaces needed for effective utilization of mobile computing. This project will improve customer service, operational efficiency, and emergency response capability. It will also significantly contribute to achieving the following strategic outcomes:

- Secure and reliable infrastructure;
- Region-wide online employee access;
- IT aligned with business;
- Value driven strategic IT investments; and
- Comply with legislation/privacy and records retention.

Improvements/Enhancements

Asset Management – this program will develop the Information & System Architecture and acquire the enterprise software for an Asset Management solution to be subsequently used by the Departments implementing best practices for their respective assets. Asset Management includes the processes to plan, fund, acquire, maintain, refurbish, retire/replace, and value/report on the tangible assets of the organization in a sustainable manner as needed to achieve its business objectives at acceptable levels of risk and cost. When implemented, this program will improve strategic and operational decision making, infrastructure resource allocation and operational efficiency; consolidate asset tracking; and reduce risk. It will also significantly contribute to achieving the following strategic outcomes:

- Secure and reliable infrastructure;
- Streamline processes through data sharing and integration;
- Comply with legislation/privacy and records retention; and
- Support Sustainability Strategy.

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Business Intelligence - this program will develop the Information & System Architecture and acquire the enterprise software for a Business Intelligence solution to be subsequently used by the Departments implementing best practices. When implemented, this program will improve management decision making, customer service, and operational efficiency. It will also significantly contribute to achieving the following strategic outcomes:

- Secure and reliable infrastructure;
- Streamline processes through data sharing and integration;
- Enabled Knowledge workers.

Customer Relationship Management - this program will improve customer service, communication and management decision making, citizen engagement and operational efficiency. It will also significantly contribute to achieving the following strategic outcomes:

- Secure and reliable infrastructure;
- Region-wide online employee access;
- Streamline processes through data sharing and integration;
- Enabled Knowledge workers;
- IT aligned with business; and
- Customer-Centric service delivery.

York Broadband Network

This project supports the joint design and implementation of a York Broadband network in cooperation with the other MUSH (Municipalities – Universities – Schools – Hospitals) sector participants.

Long Term Outlook

Expenditures

Information Technology Services' capital expenditures are driven by the requirement to replace end-of-life computer and telecommunications equipment; the need to fund additional infrastructure for new sites as the Region grows and the funding required for Corporate Projects contained in the York Region Information Technology Strategic Plan. The 10 year outlook is for a general moderation in the level of information technology capital spending.



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Information Technology Services
10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Enterprise Architecture	1,271	895	695	425	425	425	425	425	425	425	5,836
Hardware	3,685	3,455	7,985	4,759	12,505	3,908	10,024	6,526	13,756	6,963	73,566
Software	-	1,000	425	275	425	275	425	275	425	275	3,800
Sub Total Rehabilitation/Replacement	4,956	5,350	9,105	5,459	13,355	4,608	10,874	7,226	14,606	7,663	83,202
Growth/Expansion											
Corporate Strategic Programs	250	450	325	-	-	-	-	-	-	-	1,025
Software	350	995	1,145	875	890	615	240	415	415	490	6,430
Sub Total Growth/Expansion	600	1,445	1,470	875	890	615	240	415	415	490	7,455
Enhancement/Improvement											
Corporate Strategic Programs	1,500	2,525	2,350	1,575	1,100	1,100	975	975	975	975	14,050
Sub Total Enhancement/Improvement	1,500	2,525	2,350	1,575	1,100	1,100	975	975	975	975	14,050
Total Tangible Capital Assets	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	104,707
TOTAL GROSS EXPENDITURES	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	104,707



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Information Technology Services
10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Total Rehabilitation/Replacement	4,956	5,350	9,105	5,459	13,355	4,608	10,874	7,226	14,606	7,663	83,202
Total Growth/Expansion	600	1,445	1,470	875	890	615	240	415	415	490	7,455
Total Enhancement/Improvement	1,500	2,525	2,350	1,575	1,100	1,100	975	975	975	975	14,050
TOTAL GROSS EXPENDITURES	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	104,707

FINANCING											
Reserves	(7,056)	(9,320)	(12,925)	(7,909)	(15,345)	(6,323)	(12,089)	(8,616)	(15,996)	(9,128)	(104,707)
TOTAL FINANCING	(7,056)	(9,320)	(12,925)	(7,909)	(15,345)	(6,323)	(12,089)	(8,616)	(15,996)	(9,128)	(104,707)
TAX LEVY	-	-	-	-	-	-	-	-	-	-	-



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Information Technology Services

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	538	1,073	1,073	1,073	1,073	1,073	1,073	1,073	1,073	1,073
Other Costs	420	575	620	665	675	720	765	775	820	865
Total Gross Costs	958	1,648	1,693	1,738	1,748	1,793	1,838	1,848	1,893	1,938
Revenues										
Revenue	(77)	(154)	(231)	(308)	(385)	(462)	(539)	(590)	(590)	(590)
Total Revenues	(77)	(154)	(231)	(308)	(385)	(462)	(539)	(590)	(590)	(590)
Total Net Cost (Tax Levy)	881	1,494	1,462	1,430	1,363	1,331	1,299	1,258	1,303	1,348

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Pressures of Net Operating Impact of New Capital Projects

The operating impact of new Information Technology capital projects is the result of the ongoing costs of hardware and software maintenance associated with growth in usage of existing software and implementation of new applications.

For 2011, the net operating impact has identified 3 positions for ongoing support of new Capital projects. These include Business Intelligence Technical Specialist, Portal Project Manager, and an Applications Technical Specialist.

For 2012, the above net operating impact identifies an additional 5 capital related FTE's for support of new systems and include an Enterprise Business Systems BSA, Asset Management BSA, Customer Relationship Management PM, Customer Relationship Management BSA, and a Telecom/Regional Fibre Network Analyst.



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Information Technology Services
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
16660	Enterprise Architecture	1,085	-	-	-	-	-	1,085
16859	Security	186	-	-	-	-	-	186
16895	IT Equipment - 3YR Life (Printers/PC's)	2,185	-	-	-	-	-	2,185
	Sub Total Rehabilitation/Replacement	3,456	-	-	-	-	-	3,456
Growth/Expansion								
16690	eDocs Document Mgmt	350	-	-	-	-	-	350
16891	Mobile Computing	250	-	-	-	-	-	250
	Sub Total Growth/Expansion	600	-	-	-	-	-	600
Enhancement/Improvement								
16800	Business Intelligence (ERP)	900	-	-	-	-	-	900
16816	Customer Relationship Management (CRM) Solutions	600	-	-	-	-	-	600
	Sub Total Enhancement/Improvement	1,500	-	-	-	-	-	1,500
	Total Tangible Capital Assets	5,556	-	-	-	-	-	5,556
	TOTAL GROSS EXPENDITURES	5,556	-	-	-	-	-	5,556



2011 Business Planning and Budgets
Finance Department
Information Technology Services
2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2011
<u>Projects Approved as part of the 2010 TPBA</u>					
Tangible Capital Assets					
Rehabilitation/Replacement					
16660	Enterprise Architecture	This project will operationalize the Region's Technology Architecture Plan developed in 2005 - 2006. It will integrate Department Information Technologies strategies into an overall functional corporate technology architecture. Addition of one more year to ongoing project.	1,618	2,703	1,085
16859	Security	This project will quantify the security processes and tools needed to secure the Region's information technology infrastructure from physical and cyber vulnerabilities. It will fund a needs analysis and the software and hardware required to meet a level of infrastructure security appropriate to Region requirements. Addition of one more year to ongoing project.	1,500	1,686	186
16895	IT Equipment - 3 Yr. Life (Printers PC's)	Purchase of IT equipment with a 3 year asset life which includes printers, PC's and MicroSoft Office Professional. Addition of one more year to ongoing project.	17,366	19,551	2,185
Sub Total Rehabilitation/Replacement					3,456



2011 Business Planning and Budgets
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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011-2011
			(in \$000's)		
Growth/ Expansion					
16690	eDocs Document Management	This project continues the growth, development and implementation of the Electronic Document Management System (E-Docs) within York Region. Addition of one more year to ongoing project.	4,003	4,353	350
16891	Mobile Computing	This project will provide technology and interfaces for the effective utilization of mobile computing. Addition of one more year to ongoing project.	325	575	250
Sub Total Growth/Expansion					600
Enhancement/ Improvement					
16800	Business Intelligence	Due to the size and complexity of the region and the growth of FTEs within the Region formal reporting to deliver on corporate and departmental requirements in the area of reporting, analytics and key performance measures has become a necessity. The development of management reporting from core financial and human resource management systems will be a primary focus, as well as a pilot project for strategic performance indicators. Addition of one more year to ongoing project.	1,247	2,147	900



2011 Business Planning and Budgets
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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA (in \$000's)	TPBA 2011-2011
16816	Customer Relationship Management (CRM) Solutions	This project will support the design, selection and development of an integrated, corporate CRM solution to support operational initiatives to improve customer and client administration processes across the Region. A corporate CRM will support the development of common processes and technologies to support customer service activities, including customer contact information, case and call ticket tracking, survey and opinion gathering. Addition of one more year to ongoing project.	400	1,000	600
Sub Total Enhancement/Improvement					1,500
Total Tangible Capital Assets					5,556
TOTAL PROJECTS APPROVED AS PART OF THE 2010 TPBA					5,556
TOTAL GROSS EXPENDITURES					5,556

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Information Technology Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/Lease Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
16660	Enterprise Architecture	1,085	-	1,085	-	-	-	-	-
16690	eDocs Document Mgmt	350	-	350	-	-	-	-	-
16800	Business Intelligence (ERP)	900	-	900	-	-	-	-	-
16816	Customer Relationship Management (CRM) Solutions	600	-	600	-	-	-	-	-
16859	Security	186	-	186	-	-	-	-	-
16891	Mobile Computing	250	-	250	-	-	-	-	-
16895	IT Equipment - 3YR Life (Printers/PC's)	2,185	-	2,185	-	-	-	-	-
Total Tax Supported		5,556	-	5,556	-	-	-	-	-
TOTAL FINANCING SOURCES		5,556	-	5,556	-	-	-	-	-



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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
															(in \$000's)
GROSS EXPENDITURES															
Tangible Capital Assets															
Rehabilitation/Replacement															
16655	Telecommunications	6,921	4,050	-	-	649	1,850	2,277	604	554	2,448	1,877	2,241	-	23,471
16660	Enterprise Architecture	1,333	285	1,085	700	500	230	230	230	230	230	230	230	-	5,513
16670	Data Centre Facilities	1,576	2,000	1,500	-	-	-	-	-	-	-	-	-	-	5,076
16695	e-Portal	3,600	-	-	1,000	275	275	275	275	275	275	275	275	-	6,800
16760	ERP Data Management	811	-	-	-	150	-	150	-	150	-	150	-	-	1,411
16859	Security	835	665	186	195	195	195	195	195	195	195	195	195	-	3,441
16892	Regional Fibre Network	1,530	1,000	-	500	500	750	750	750	500	500	500	500	-	7,780
16895	IT Equipment - 3YR Life (Printers/PC's)	11,737	5,629	2,185	2,667	5,956	1,319	7,428	2,024	7,175	2,673	10,374	2,232	-	61,399
16896	IT Equipment - 5YR Life - (Data Centre Equip)	2,770	2,625	-	288	880	840	2,050	530	1,795	905	1,005	1,990	-	15,678
	Sub Total Rehabilitation/Replacement	31,113	16,254	4,956	5,350	9,105	5,459	13,355	4,608	10,874	7,226	14,606	7,663	-	130,569
Growth/Expansion															
16690	eDocs Document Mgmt	3,503	500	350	450	450	450	40	40	40	40	40	40	-	5,943
16755	ERP Business Systems	520	200	-	270	320	150	400	350	150	150	150	400	-	3,060
16780	ERP License Expansion	1,026	-	-	-	100	-	175	175	-	175	175	-	-	1,826
16815	Application Development & Integration Program	460	235	-	275	275	275	275	50	50	50	50	50	-	2,045
16891	Mobile Computing	325	-	250	450	325	-	-	-	-	-	-	-	-	1,350
	Sub Total Growth/Expansion	5,834	935	600	1,445	1,470	875	890	615	240	415	415	490	-	14,224
Enhancement/Improvement															
16800	Business Intelligence (ERP)	915	332	900	800	850	500	375	375	375	375	375	375	-	6,547
16810	Asset Management (ERP)	1,105	525	-	675	600	575	425	425	300	300	300	300	-	5,530



2011 Business Plan and Budget
Finance Department
Information Technology Services
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
															(in \$000's)
16816	Customer Relationship Management (CRM) Solutions	400	-	600	1,050	900	500	300	300	300	300	300	300	-	5,250
Sub Total	Enhancement/Improvement	2,420	857	1,500	2,525	2,350	1,575	1,100	1,100	975	975	975	975	-	17,327
Total Tangible Capital Assets		39,367	18,046	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	-	162,120
TOTAL GROSS EXPENDITURES		39,367	18,046	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	-	162,120
FINANCING SOURCES															
Regional Sources															
	Reserve: Capital Replacement	4,978	7,579	2,977	4,139	8,805	5,159	13,055	4,308	10,574	6,226	13,606	6,663	-	88,069
	Reserve: Computer Software Acquisition	1,125	675	479	1,211	300	300	300	300	300	1,000	1,000	1,000	-	7,990
	Reserve: General Capital	33,264	9,792	1,500	-	-	-	-	-	-	-	-	-	-	44,556
	Reserve: IT Development	-	-	2,100	3,970	3,820	2,450	1,990	1,715	1,215	1,390	1,390	1,465	-	21,505
Sub Total	Regional Sources	39,367	18,046	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	-	162,120
TOTAL AVAILABLE FINANCING		39,367	18,046	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	-	162,120
TOTAL FINANCING SOURCES		39,367	18,046	7,056	9,320	12,925	7,909	15,345	6,323	12,089	8,616	15,996	9,128	-	162,120
DEBENTURE REPAYMENT SOURCES															
TOTAL DEBENTURE REQUIREMENTS															

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Information Technology Services

10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/venture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
16655	Telecommunications	12,500	-	12,500	-	-	-	-	-
16660	Enterprise Architecture	3,895	-	3,895	-	-	-	-	-
16670	Data Centre Facilities	1,500	-	1,500	-	-	-	-	-
16690	eDocs Document Mgmt	1,940	-	1,940	-	-	-	-	-
16695	e-Portal	3,200	-	3,200	-	-	-	-	-
16755	ERP Business Systems	2,340	-	2,340	-	-	-	-	-
16760	ERP Data Management	600	-	600	-	-	-	-	-
16780	ERP License Expansion	800	-	800	-	-	-	-	-
16800	Business Intelligence (ERP)	5,300	-	5,300	-	-	-	-	-
16810	Asset Management (ERP)	3,900	-	3,900	-	-	-	-	-
16815	Application Development & Integration Program	1,350	-	1,350	-	-	-	-	-
16816	Customer Relationship Management (CRM) Solutions	4,850	-	4,850	-	-	-	-	-
16859	Security	1,941	-	1,941	-	-	-	-	-
16891	Mobile Computing	1,025	-	1,025	-	-	-	-	-
16892	Regional Fibre Network	5,250	-	5,250	-	-	-	-	-
16895	IT Equipment - 3YR Life (Printers/PC's)	44,033	-	44,033	-	-	-	-	-
16896	IT Equipment - 5YR Life - (Data Centre Equip)	10,283	-	10,283	-	-	-	-	-

2011 Business Plan and Budget

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Information Technology Services

10 Year Capital Financing Sources by Project 2011 - 2020



Project Number	Project Name	(in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
	Total Tax Supported		104,707	-	104,707	-	-	-	-	-
TOTAL FINANCING SOURCES										
			104,707	-	104,707	-	-	-	-	-

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2011 Capital Business Plan

Property Services

Capital Strategy

Property Services Branch will continue to develop a Capital Program to address strategic, long-term accommodation requirements of the Region. The 10 year capital plan incorporates specific client accommodation needs related to administrative office space and the development of purpose built facilities.

Four major initiatives form the basis of the Property Services Capital Strategy:

Master Accommodation Plan (MAP)

1. Ongoing monitoring and updating of the Region's Master Accommodation Plan (MAP) to identify which assets will be acquired, retained and improved over the longer term and impacts on the amount of capital allocated to those assets. The MAP also identifies key corporate initiatives which are reflected in the Capital Strategy.

Rehabilitation Program

2. Further development and maturation of the Branch's Rehabilitation Program. This includes updating the Building Condition Audits (BCA's) as part of the 5 year audit cycle, incorporating energy audits, along with the management of special projects such as designated substance surveys to address legislative requirements.

Preventative Maintenance Programs (PMP's)

3. Implementation of Preventative Maintenance Programs (PMP's) throughout the portfolio which results in an extended life cycle for building structures and systems, and defers/reduces long-term capital expenditures.

Energy Management Program

4. An on-going Energy Management Program which implements retrofit measures that will reduce the utility costs throughout the portfolio while contributing to a cleaner environment through demand response initiatives. An integrated design process will ensure that sustainability is considered at every stage of the design and construction process.

This strategic approach focuses on long-term asset management including the monitoring and pro-active management of the Region's physical asset life cycle costs.

2011 Capital Business Plan

Property Services

Key Initiatives (10 Year Plan)

The key initiatives are focussed on three distinct areas: rehabilitation and repair, provision of space to accommodate growth and changing space requirements (including implementation of space & furniture standards and the procurement & disposition of furniture), and energy conservation.

Rehabilitation and Repair

Building Condition Audits (BCA's) provide a schedule of major repairs and where required, the replacement of building elements/systems required to maintain the portfolio in good condition and a safe state of repair. The rehabilitation program will ultimately protect the asset value of each facility and forms the basis of the 10 year Capital Plan.

Decisions on whether to proceed with the repairs outlined in the audit are taken in the context of the Master Accommodation Plan and funding availability.

Emphasis is placed on life safety and legislative requirements.

BCA's have been completed on the majority of the buildings within the portfolio. Additional audits will take place in 2011, including detailed roof assessments to facilitate better planning and improved roof replacement and repair options. Energy audits were incorporated in the BCA's starting in 2008.

Major rehabilitation initiatives for 2011 include:

- Various projects at multiple Water & Wastewater facilities, including
- New roof at Newmarket Health Centre
- Various projects at multiple transportation works yards including replacement of building automation system and septic and well decommissioning

Accommodation Projects

Continued staff growth requires innovative design and construction strategies to meet client demand. Renovation projects will incorporate new corporate space and furniture standards that will reduce the allocation of space per employee and the respective construction/operating costs related to the provision of this space.

Client departments will continue to be challenged to intensify the use of existing space prior to seeking new space.

Major 2011 accommodation projects include:

- Completion of the Master Accommodation Plan five year review
- Planning and design of the Central Service Centre and new Courts facility with proposed construction in 2012/2014.
- Further assessment of Space Needs at the Administrative Centre, Bales Drive and the South Service Centre and the relocation of staff to other facilities until consolidation can take place at the Central Service Centre.

2011 Capital Business Plan

Property Services

- Continued implementation of Space Intensification Plan at Regional Buildings in accordance with Corporate Space and Furniture Standards.
- Completion of EMS central support facility at Bales Drive
- Continued expansion of EMS response stations at sites located in Keswick, Pefferlaw, and Schomberg.
- Implementation of projects to address the requirements of the Built Environment Standard of the Accessibility for Ontarians with Disabilities Act.
- Project management of a number of Housing York Inc. developments.

Energy Conservation

Building Energy Feasibility Studies (BEFS) are continuing throughout Regional facilities. Implementation of those BEFS will result in significant savings in utility costs by reducing energy consumption. These audits have now been incorporated into the BCA cycle.

As a result of Council adopting a Sustainable Building Policy in 2006, energy efficient designs will be incorporated into all new Regional buildings resulting in significant utility savings over the buildings lifecycle, and also improving the work environment for employees. "Green" technologies will be used where feasible.

The Region will continue to access both Federal and Provincial funding where available to offset these energy projects.

2011 Energy projects include:

- Continued BEFS implementation for Regional facilities, including Police.
- Energy Retrofits at a number of Satellite facilities.
- Pursuit of Leadership in Energy and Environmental Design Existing Buildings (LEED EB) certification for the Administrative Centre
- Modification to the Environmental and Energy Management System (EEMS) which incorporates real time monitoring in support of the energy procurement strategy.

Real Estate Initiatives

Timely acquisition of key parcels of land to support client department program initiatives such as:

- Continuing acquisition of land to support the VIVA project
- Site for Transportation Works yard in North Markham
- Site for a YRT operations and maintenance facility in Richmond Hill/Markham.

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Property Services

New Projects Added to the 2011 Budget Process

The majority of Property Services capital projects relate to existing facilities and long-term strategies.

Three new projects have been introduced in the 2011 cycle:

- Workplace Violence Risk Assessment (Bill 168) (\$220 K) – this project will involve the implementation of employer responsibilities prescribed by the recent changes to Ontario’s *Occupational Health and Safety Act (OHSA)*, effective as of June 15, 2010, which aim to strengthen protections for workers from workplace violence and workplace harassment. The regulations under Bill 168 define employer responsibilities to implement workplace violence reduction policies and programs.
- Facility Safety Regulations (Ontario Regulation 851/90) (\$110 K) – Slips and Falls – this project involves the assessment of the Region’s compliance with the mandatory legislative requirements concerning employee and contractor safety inside and outside industrial and commercial facilities.
- Central Service Centre - North/South Parking Lot Strategy and Construction (\$21.0 M) – this project addresses the need to accommodate the south parking lot space capacity in the north parking lot area prior to the commencement of Central Services Centre construction, planned to begin in 2012. A parking strategy study is being developed and will be presented to Council.

Project Scope Changes Added to the 2011 Budget Process

Two projects will have significant scope changes in the 2011 cycle:

- Master Accommodation Plan (\$12.0 M) – the 2010 update study to the Region’s Master Accommodation Plan recommends the development of three new Southern Service Centres in Markham, Vaughan and Richmond Hill. The 2011 phase of this project reflects land purchases of two three acre land parcels at the projected market value of \$3.0M per acre. Due to diminishing land availability as well as recent land value increases caused by the Spadina Subway extension into York Region, it is recommended that land purchases be made in 2011 to avoid the anticipated future increases in land purchase costs.
- Energy Initiatives (\$1.5M) – this project will involve the installation of solar panels at various Regional facilities. The cost of the project will be recaptured through annual energy savings of approx. \$107K over 12.2 years.

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Property Services

Long Term Outlook (10 Year Plan)

Expenditures

The 10 year outlook focuses on continuation of the rehabilitation and repair program and completion of planned projects based upon the Building Condition Audits (BCA's). The BCA's that were carried out in 2008 and 2009 have resulted in changes to the 10 year Capital Budget.

Minimal rehabilitation and repairs (health & safety, building code) are taking place at those Newmarket properties which may be vacated in the next 3/4 years, subject to approval/completion of a Central Service Centre (CSC). The properties to be vacated are 465 Davis Drive (the Tannery), 22 Prospect Street (Health Clinic), 62 Bayview Parkway (Social Services), 1091 Gorham Street (Housing) and 55 Eagle Street (Community Services & Housing). Any further delays in the CSC may mean additional work will be required at those locations in subsequent years.

The Central Service Centre will be a major project over the next 4 years. The total projected cost is \$125M to \$155M, including a new Courts facility for Newmarket. Further delays for this project will result in additional capital expenditure on new leased space along with the operating impact of leasing additional space. It would also further the fragmentation of departments to a number of different locations, which could impact service delivery.

Temporary leased space is required for the relocation of the Property Services Branch as a result of increased growth pressure at the Admin Centre.

Upon completion of the new EMS Central Support Facility at Bales Drive in 2011, existing space will become available at 520 Cane Parkway for temporary office space needs prior to the completion of the Central Services Centre. There will be some capital expenditure for renovations, furniture and moves in 2011.

The next steps in consolidation of Regional facilities will take place in the South in order to accommodate growth, reduce reliance on leased premises and improve client access in accordance with the Master Accommodation Plan, which proposes the construction of a South East Service Centre in Markham and a South West Service Centre in Vaughan. Construction is hoped to commence upon completion of the Central Service Centre.



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10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
GROSS EXPENDITURES											
Tangible Capital Assets											
Growth/Expansion											
Accommodation	34,466	24,189	64,960	58,836	13,842	-	-	-	-	-	196,293
Safety & Security	220	-	-	-	-	-	-	-	-	-	220
Sub Total Growth/Expansion	34,686	24,189	64,960	58,836	13,842	-	-	-	-	-	196,513
Enhancement/Improvement											
Energy Related	2,140	-	-	-	-	-	-	-	-	-	2,140
Furniture/Equipment/Vehicles	265	-	-	-	-	-	-	-	-	-	265
Software	156	-	-	-	-	-	-	-	-	-	156
Sub Total Enhancement/Improvement	2,561	-	-	-	-	-	-	-	-	-	2,561
Total Tangible Capital Assets	37,247	24,189	64,960	58,836	13,842	-	-	-	-	-	199,074
Non-Tangible Capital Assets											
Rehabilitation/Replacement											
Corporate Facilities Rehabilitation/Repair	3,253	1,475	2,736	1,798	10,838	2,400	3,397	7,889	3,378	-	37,164
Sub Total Rehabilitation/Replacement	3,253	1,475	2,736	1,798	10,838	2,400	3,397	7,889	3,378	-	37,164
Growth/Expansion											
Accommodation	3,231	-	-	-	-	-	-	-	-	-	3,231
Sub Total Growth/Expansion	3,231	-	-	-	-	-	-	-	-	-	3,231
Enhancement/Improvement											
Accommodation	220	220	-	-	-	-	-	-	-	-	440



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10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
ODA	240	-	-	-	-	-	-	-	-	-	240
Property Services Contingency	300	300	300	300	300	300	300	300	300	300	3,000
Safety & Security	110	-	-	-	-	-	-	-	-	-	110
Sub Total Enhancement/Improvement	870	520	300	300	300	300	300	300	300	300	3,790
Total Non-Tangible Capital Assets	7,354	1,995	3,036	2,098	11,138	2,700	3,697	8,189	3,678	300	44,185
TOTAL GROSS EXPENDITURES	44,601	26,184	67,996	60,934	24,980	2,700	3,697	8,189	3,678	300	243,259
Total Rehabilitation/Replacement	3,253	1,475	2,736	1,798	10,838	2,400	3,397	7,889	3,378	-	37,164
Total Growth/Expansion	37,917	24,189	64,960	58,836	13,842	-	-	-	-	-	199,744
Total Enhancement/Improvement	3,431	520	300	300	300	300	300	300	300	300	6,351
TOTAL GROSS EXPENDITURES	44,601	26,184	67,996	60,934	24,980	2,700	3,697	8,189	3,678	300	243,259
FINANCING											
Reserves	(9,891)	(1,751)	(2,792)	(1,854)	(10,894)	(2,456)	(3,453)	(7,945)	(3,434)	(56)	(44,526)
Debtenture Proceeds	(34,466)	(24,189)	(64,960)	(58,836)	(13,842)	-	-	-	-	-	(196,293)
Grants & Subsidies	-	-	-	-	-	-	-	-	-	-	-
Other Recoveries	-	-	-	-	-	-	-	-	-	-	-
TOTAL FINANCING	(44,357)	(25,940)	(67,752)	(60,690)	(24,736)	(2,456)	(3,453)	(7,945)	(3,434)	(56)	(240,819)
TAX LEVY	(244)	(244)	(244)	(244)	(244)	(244)	(244)	(244)	(244)	(244)	(2,440)



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Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Salaries and Benefits	-	76	285	501	510	619	629	641	652	664
Debt Repayment	346	1,723	4,340	9,805	14,195	15,175	15,170	15,165	15,160	15,154
Repairs and Maintenance	-	-	45	91	93	158	161	164	167	171
Replacement Reserve	-	-	250	500	500	525	525	525	525	525
Contribution										
Contract/Program Costs	262	302	846	1,410	1,170	1,624	1,615	1,648	1,680	1,714
Other Costs	-	-	16	33	33	57	58	59	60	61
Total Gross Costs	609	2,101	5,780	12,341	16,501	18,157	18,159	18,202	18,245	18,290
Revenues										
Revenue	(20)	(127)	(127)	(127)	(127)	(127)	(127)	(127)	(127)	(127)
Savings	-	-	(667)	(1,361)	(1,388)	(1,980)	(2,019)	(2,060)	(2,101)	(2,143)
Total Revenues	(20)	(127)	(794)	(1,488)	(1,515)	(2,107)	(2,146)	(2,187)	(2,228)	(2,270)
Total Net Cost (Tax Levy)	589	1,974	4,986	10,853	14,986	16,050	16,013	16,015	16,017	16,020

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Pressures of Net Operating Impact of New Capital Projects

There are 4 projects in the capital budget that will have an impact on the operating budget in future years:

- Final phase of implementation of Property Services' Technology project for Computer Aided Facility Management (CAFM)
- Design and construction of a Central Service Centre in Newmarket (debt funded)
- Interim space intensification measures to accommodate growth until the Central Service Centre is complete
- Design and construction of 3 further Service Centres in the South of the Region (debt funded)

The 2011 operating impacts reflect the cost of one analyst to assist with the final phase of implementation of Property Services' Computer Aided Facility Management (CAFM) system.

In addition, current operating costs for the Administrative Centre were used as a basis for estimating the future operating costs of the Central Services Centre. Salary costs are included for 7 facilities staff. Savings reflect the lease and operating costs for those premises to be vacated once the Central Service Centre is available. Operating costs are expected to commence in 2013. There will also be significant debt repayment costs related to this project.

Current operating costs for the Administrative Centre were used as a basis for estimating the future operating costs of the three Southern Service Centres. Salary costs are included for 3 building operators, 1 at each new facility. Savings reflect the lease and operating costs for those premises to be vacated once the new Centres are available. Operating costs are expected to commence in 2016. There will also be significant debt repayment costs related to this project.

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Appendix

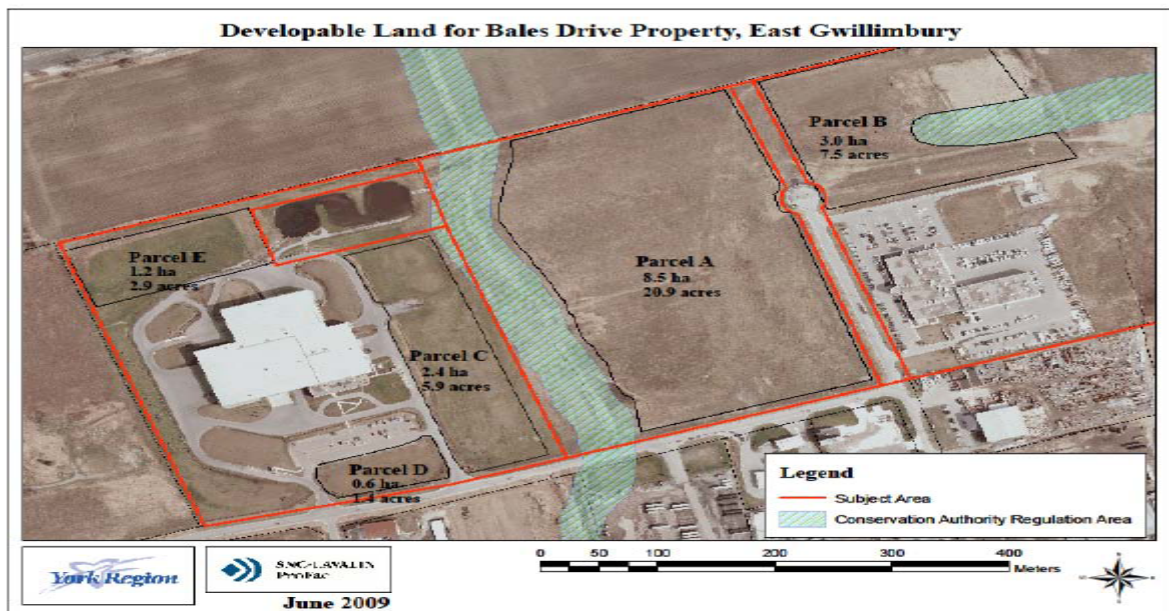
Proposed site for the new Central Service Centre in Newmarket



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Proposed site for the new EMS Central Support Facility and Health Connection/Contact Centre at Bales Drive





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2011 New Total Project Budget Authority

Project Number	Project Name	(in \$000's)				Balance to Complete	Total Project Budget Authority
		2011	2012	2013	2014		
GROSS EXPENDITURES							
Tangible Capital Assets							
Growth/Expansion							
14722	Master Accomodation Plan (MAP) Implementation - Development of 3 new Southern Service Centres	12,000	-	-	-	-	12,000
14755	Security & Life Safety Projects	220	-	-	-	-	220
14761	Bales Site/Road Development	(250)	-	-	-	-	(250)
14782	Central Service Centre - North/South Parking Lot Construction	21,000	-	-	-	-	21,000
Sub Total Growth/Expansion		32,970	-	-	-	-	32,970
Enhancement/Improvement							
14702	Energy Retrofits - Various Existing Buildings	380	-	-	-	-	380
14751	Energy Initiatives	1,500	-	-	-	-	1,500
14800	Energy & Environmental Management System	260	-	-	-	-	260
14810	Property Services Branch (PSB) Technology	156	-	-	-	-	156
14835	Audio-visual (AV) Equipment & Events	265	-	-	-	-	265
Sub Total Enhancement/Improvement		2,561	-	-	-	-	2,561
Total Tangible Capital Assets		35,531	-	-	-	-	35,531



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2011 New Total Project Budget Authority

Project Number	Project Name	(in \$000's)				Balance to Complete	Total Project Budget Authority
		2011	2012	2013	2014		
Non-Tangible Capital Assets							
Rehabilitation/Replacement							
14703	Corporate Services - Facilities Rehab & Repair	389	-	-	-	-	389
14704	Corporate Services - All Facilities Rehab & Repair	107	-	-	-	-	107
14706	Roads Facilities Rehab & Repair	423	-	-	-	-	423
14707	Solid Waste Facilities Rehab & Repair	79	-	-	-	-	79
14708	Water & Waste Water Facilities Rehab & Repair	450	-	-	-	-	450
14711	Employment & Financial Sppt Facilities Rehab & Repair	60	-	-	-	-	60
14712	Family & Child Services Facilities Rehab & Repair	136	-	-	-	-	136
14713	Long Term Care Facilities Rehab & Repair	1,453	-	-	-	-	1,453
14714	Public Health Facilities Rehab & Repair	107	-	-	-	-	107
14716	EMS Facilities Rehab & Repair	50	-	-	-	-	50
Sub Total Rehabilitation/Replacement		3,253	-	-	-	-	3,253



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2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Growth/Expansion								
14855	Space Intensification Initiatives	3,231	-	-	-	-	-	3,231
	Sub Total Growth/Expansion	3,231	-	-	-	-	-	3,231
Enhancement/Improvement								
14740	Ontario Disability Act (ODA)	240	-	-	-	-	-	240
14775	Property Services Branch (PSB) - General (Corporate)	300	-	-	-	-	-	300
14860	Workplace Violence Risk Assessment (Bill 168)	220	-	-	-	-	-	220
14870	Facility Safety Regulations (O.Reg. 851)	110	-	-	-	-	-	110
	Sub Total Enhancement/Improvement	870	-	-	-	-	-	870
	Total Non-Tangible Capital Assets	7,354	-	-	-	-	-	7,354
	TOTAL GROSS EXPENDITURES	42,885	-	-	-	-	-	42,885



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2011 New Total Project Budget Authority Explanations		
			2010 Approved TPBA	2011 Proposed TPBA	New TPBA 2011
(in \$000's)					
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
Growth/ Expansion					
14722	Master Accommodation Plan (MAP) Implementation - Development of 3 new Southern Service Centres	Development of 3 additional facilities in Vaughan, Markham, and Richmond Hill. It is advised that land purchases occur in 2011 due to dramatically rising land values (impact of subway extension project).	100	12,100	12,000
14755	Security & Life Safety Projects	Update/upgrade of the Security and Life Safety devices at Regional Facilities. Continued retrofits to access controls - two new sites.	601	821	220
14761	Bales Site/Road Development	Site development in preparation for Bales EMS Central Support Facility/Operations Centre and other future land uses. Project progress on hold until 2012.	1,150	900	(250)
Sub Total Growth/Expansion					11,970

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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Proposed TPBA	TPBA 2011
			(in \$000's)		
14702	Energy Retrofits - Various Existing Buildings	Implementation of BEFS (Building Energy Feasibility Studies), detailed engineering, project management and installation of energy saving measures at various owned and leased Regional facilities. Continuation of planned/required energy retrofits, as per 2007/2009 audits.	3,395	3,775	380
14751	Energy Initiatives	Implementation of Regional energy initiatives, including renewable energy, at the Region. Increase in TPBA reflects the planned installation of Solar Panels for Bales EMS Central Support Facility/Operations Centre - Total Cost: \$1.5 M (\$1.3 M for solar panels + Environmental approvals + PM Fees); Annual Payback: \$106.6K; Payback Period: 12.2 yrs.	210	1,710	1,500
14800	Energy & Environmental Management System	Energy & Environmental Management System (EEMS) Upgrades - ongoing software upgrades for monitoring the Region's energy usage and emissions to incorporate real time monitoring to support procurement strategy and demand response.	366	626	260
14810	Property Services Branch (PSB) Technology	Research / Design & Implementation of an integrated software solution to address all aspects of Property Services Branch mandate. Final stage of Computer Aided Facility Management (CAFM) implementation	1,270	1,426	156



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Proposed TPBA	TPBA 2011
			(in \$000's)		
14835	Audio-visual Equipment & Events	Additional video conferencing equipment to enhance the 2010 purchases - next phase of implementation - reflects 2 additional sites not included in 2010 tender. Continuation of improvements to AV system & furnishings required to keep technology up to date and provide enhanced service at Council, Committee and Regional meetings.	1,376	1,641	265
Sub Total Enhancement/Improvement					2,561
Total Tangible Capital Assets					14,531
Non-Tangible Capital Assets					
Rehabilitation/ Replacement					
14703	Corporate Services - Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facilities. Annual building rehabilitation projects, as per Building Condition Audits.	6,783	7,172	389
14704	Corporate Services - All Facilities Rehab & Repair	Planned reviews and updates of Building Condition Assessment Reports of all owned regional facilities, performed on a five year cycle. Rehabilitation work as a result of an unscheduled repair to damage sustained or unforeseen repairs required to Regionally owned or leased facilities. Annual building rehabilitation projects, as per Building Condition Audits.	924	1,031	107

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2011 New Total Project Budget Authority Explanations



Project #	Project Name	Project Description / Change Explanation	2011 New Total Project Budget Authority Explanations		
			2010 Approved TPBA	2011 Proposed TPBA	New TPBA 2011
			(in \$000's)		
14706	Roads (TS) Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	308	731	423
14707	Solid Waste (ES) Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	110	189	79
14708	Water & Waste Water (ES) Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	3,769	4,219	450
14711	Employment & Financial Sppt Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	324	384	60
14712	Family & Child Services Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	552	688	136



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Proposed TPBA	TPBA 2011
			(in \$000's)		
14713	Long Term Care Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	944	2,397	1,453
14714	Public Health Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	399	506	107
14716	EMS Facilities Rehab & Repair	Rehabilitation work identified in the Building Condition Assessment Report for the subject facility. Annual building rehabilitation projects, as per Building Condition Audits.	272	322	50
Sub Total Rehabilitation/Replacement					3,254



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Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Proposed TPBA	TPBA 2011
			(in \$000's)		
Growth/ Expansion					
14855	Space Intensification Initiatives	Initiatives to accommodate immediate growth needs at the Region: Increase in 2011 TPBA reflects new cost of growth accommodation within both leased and owned Regional facilities.	3,907	7,138	3,231
Sub Total Growth/Expansion					3,231
Enhancement/ Improvement					
14740	Ontario Disability Act (ODA)	Continued implementation of space related accessibility projects recommended by Consultant & Accessibility Committee.	831	1,071	240
14775	Property Services Branch (PSB) - General (Corporate)	Management fund to address miscellaneous studies & unanticipated capital needs not planned for in the current budget process.	2,752	3,052	300
Sub Total Enhancement/Improvement					540
Total Non-Tangible Capital Assets					7,025
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA					21,556



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Proposed TPBA	TPBA 2011
(in \$000's)					
<u>New Projects Added to 2011 TPBA</u>					
Tangible Capital Assets					
Growth/ Expansion					
14782	Central Service Centre - North Lot Parking Structure Construction	New CSC related project - need to relocate South Parking Lot space capacity to the North Parking lot prior to CSC construction commencing in the south area in 2012. Consultant is finalizing parking strategy study for the Administrative Centre (AC) and Central Services Centre (CSC). Three options are currently being developed ranging from \$7 to \$21M in cost. The results of that study and subsequent management team decisions will be built into the CSC plan and a costing analysis of the CSC will be presented to Council in early 2011.	-	21,000	21,000
Sub Total Growth/Expansion					21,000
Total Tangible Capital Assets					21,000



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Proposed TPBA	TPBA 2011
(in \$000's)					
Non-Tangible Capital Assets					
Enhancement/ Improvement					
14860	Workplace Violence Risk Assessment (Bill 168)	Implementation of mandatory legislative requirements to address space related workplace violence risk reduction features (Bill 168).	-	220	220
14870	Facility Safety Regulations (O.Reg. 851)	New mandatory legislative requirement for assessment of facility safety as per Ont. Reg. 851/90. These requirements are in response to the recent Slips and Falls charges on corporations.	-	110	110
Sub Total Enhancement/Improvement					330
Total Non-Tangible Capital Assets					330
TOTAL NEW PROJECTS ADDED TO 2011 TPBA					21,330
TOTAL GROSS EXPENDITURES					42,885

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2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
14702	Energy Retrofits - Various Existing Buildings	380	-	380	-	-	-	-	-
14703	Corporate Services - Facilities Rehab & Repair	389	-	389	-	-	-	-	-
14704	Corporate Services - All Facilities Rehab & Repair	107	-	107	-	-	-	-	-
14706	Roads Facilities Rehab & Repair	423	-	423	-	-	-	-	-
14707	Solid Waste Facilities Rehab & Repair	79	-	79	-	-	-	-	-
14708	Water & Waste Water Facilities Rehab & Repair	450	-	450	-	-	-	-	-
14711	Employment & Financial Sppt Facilities Rehab & Repair	60	-	60	-	-	-	-	-
14712	Family & Child Services Facilities Rehab & Repair	136	-	136	-	-	-	-	-
14713	Long Term Care Facilities Rehab & Repair	1,453	-	1,453	-	-	-	-	-
14714	Public Health Facilities Rehab & Repair	107	-	107	-	-	-	-	-
14716	EMS Facilities Rehab & Repair	50	-	50	-	-	-	-	-

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2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
14722	Master Accommodation Plan (MAP) Implementation - Development of 3 new Southern Service Centres	12,000	-	-	12,000	-	-	-	-
14740	Ontario Disability Act (ODA)	240	-	240	-	-	-	-	-
14751	Energy Initiatives	1,500	-	1,500	-	-	-	-	-
14755	Security & Life Safety Projects	220	-	220	-	-	-	-	-
14761	Bales Site/Road Development	(250)	-	(250)	-	-	-	-	-
14775	Property Services Branch (PSB) - General (Corporate)	300	244	56	-	-	-	-	-
14782	Central Service Centre - North/South Parking Lot Construction	21,000	-	-	21,000	-	-	-	-
14800	Energy & Environmental Management System	260	-	260	-	-	-	-	-
14810	Property Services Branch (PSB) Technology	156	-	156	-	-	-	-	-
14835	Audio-visual Equipment & Events	265	-	265	-	-	-	-	-

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Property Services

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
14855	Space Intensification Initiatives	3,231	-	3,231	-	-	-	-	-
14860	Workplace Violence Risk Assessment (Bill 168)	220	-	220	-	-	-	-	-
14870	Facility Safety Regulations (O.Reg. 851)	110	-	110	-	-	-	-	-
Total Tax Supported		42,885	244	9,641	33,000	-	-	-	-
TOTAL FINANCING SOURCES		42,885	244	9,641	33,000	-	-	-	-



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Corporate Services

Property Services

10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
GROSS EXPENDITURES															
Tangible Capital Assets															
Growth/Expansion															
14722	Master Accommodation Plan (MAP) Implementation - Development of 3 new Southern Service Centres	-	100	12,000	1,735	6,507	22,705	13,842	-	-	-	-	-	-	56,889
14755	Security & Life Safety Projects	601	-	220	-	-	-	-	-	-	-	-	-	-	821
14780	Central Service Centre - Pre Construction	4,163	2,192	1,466	986	505	-	-	-	-	-	-	-	-	9,312
14781	Central Service Centre - Construction	-	-	-	21,468	57,948	36,131	-	-	-	-	-	-	-	115,547
14782	Central Service Centre - North/South Parking Lot Construction	-	-	21,000	-	-	-	-	-	-	-	-	-	-	21,000
Sub Total Growth/Expansion				4,764	2,292	34,686	24,189	64,960	58,836	13,842	-	-	-	-	203,569
Enhancement/Improvement															
14702	Energy Retrofits - Various Existing Buildings	2,554	841	380	-	-	-	-	-	-	-	-	-	-	3,775
14751	Energy Initiatives	-	210	1,500	-	-	-	-	-	-	-	-	-	-	1,710
14800	Energy & Environmental Management System	366	-	260	-	-	-	-	-	-	-	-	-	-	626
14810	Property Services Branch (PSB) - Technology	1,270	-	156	-	-	-	-	-	-	-	-	-	-	1,426
14835	Audio-visual (AV) Equipment & Events	1,221	155	265	-	-	-	-	-	-	-	-	-	-	1,641
Sub Total Enhancement/Improvement				5,411	1,206	2,561	-	-	-	-	-	-	-	-	9,178
Total Tangible Capital Assets		10,175	3,498	37,247	24,189	64,960	58,836	13,842	-	-	-	-	-	-	212,747
Non-Tangible Capital Assets															



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10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
															(in \$000's)
Rehabilitation/Replacement															
14703	Corporate Services - Facilities Rehab & Repair	6,082	701	389	628	1,331	308	8,698	837	1,874	7,227	314	-	-	28,389
14704	Corporate Services - All Facilities Rehab & Repair	704	220	107	116	380	114	102	111	105	361	108	-	-	2,428
14706	Roads Facilities Rehab & Repair	165	143	423	63	87	398	-	1,052	393	15	138	-	-	2,877
14707	Solid Waste Facilities Rehab & Repair	77	33	79	21	4	-	-	121	-	2	2	-	-	339
14708	Water & Waste Water Facilities Rehab & Repair	3,354	415	450	442	778	839	1,126	224	672	224	653	-	-	9,177
14711	Employment & Financial Sppt Facilities Rehab & Repair	280	44	60	23	22	-	-	-	-	-	-	-	-	429
14712	Family & Child Services Facilities Rehab & Repair	427	125	136	57	31	33	61	52	48	-	-	-	-	970
14713	Long Term Care Facilities Rehab & Repair	634	310	1,453	87	81	91	771	-	293	-	2,163	-	-	5,883
14714	Public Health Facilities Rehab & Repair	289	110	107	12	22	-	-	-	-	-	-	-	-	540
14716	EMS Facilities Rehab & Repair	93	179	50	26	-	15	80	3	12	60	-	-	-	518
Sub Total Rehabilitation/Replacement		12,105	2,280	3,253	1,475	2,736	1,798	10,838	2,400	3,397	7,889	3,378	-	-	51,549
Growth/Expansion															
14855	Space Intensification Initiatives	3,036	871	3,231	-	-	-	-	-	-	-	-	-	-	7,138
Sub Total Growth/Expansion		3,036	871	3,231	-	-	-	-	-	-	-	-	-	-	7,138
Enhancement/Improvement															
14740	Ontario Disability Act (ODA)	681	150	240	-	-	-	-	-	-	-	-	-	-	1,071
14775	Property Services Branch (PSB) - General Capital (Corporate)	2,452	300	300	300	300	300	300	300	300	300	300	300	300	6,052
14860	Workplace Violence Risk Assessment (Bill 168)	-	-	220	220	-	-	-	-	-	-	-	-	-	440



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Corporate Services

Property Services

10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
				(in \$000's)											
14870	Facility Safety Regulations (O.Reg. 851)	-	-	110	-	-	-	-	-	-	-	-	-	-	110
Sub Total Enhancement/Improvement		3,133	450	870	520	300	300	300	300	300	300	300	300	300	7,673
Total Non-Tangible Capital Assets		18,274	3,601	7,354	1,995	3,036	2,098	11,138	2,700	3,697	8,189	3,678	300	300	66,360
TOTAL GROSS EXPENDITURES		28,449	7,099	44,601	26,184	67,996	60,934	24,980	2,700	3,697	8,189	3,678	300	300	279,107
FINANCING SOURCES															
Regional Sources															
Other Revenues		24	-	-	-	-	-	-	-	-	-	-	-	-	24
Reserve: Current Tax Levy		796	244	244	244	244	244	244	244	244	244	244	244	244	3,724
Reserve: Facilities Management		20,884	3,892	6,660	1,751	2,792	1,854	10,894	2,456	3,453	7,945	3,434	56	56	66,127
Reserve: General Capital		2,480	771	3,231	-	-	-	-	-	-	-	-	-	-	6,482
Sub Total Regional Sources		24,184	4,907	10,135	1,995	3,036	2,098	11,138	2,700	3,697	8,189	3,678	300	300	76,357
External Sources															
Federal Funding		102	-	-	-	-	-	-	-	-	-	-	-	-	102
Sub Total External Sources		102	-	-	-	-	-	-	-	-	-	-	-	-	102
TOTAL AVAILABLE FINANCING		24,286	4,907	10,135	1,995	3,036	2,098	11,138	2,700	3,697	8,189	3,678	300	300	76,459
TOTAL DEBENTURE REQUIREMENTS		4,163	2,192	34,466	24,189	64,960	58,836	13,842	-	-	-	-	-	-	202,648
TOTAL FINANCING SOURCES		28,449	7,099	44,601	26,184	67,996	60,934	24,980	2,700	3,697	8,189	3,678	300	300	279,107
DEBENTURE REPAYMENT SOURCES															
Tax Levy		4,163	2,192	34,466	24,189	64,960	58,836	13,842	-	-	-	-	-	-	202,648
TOTAL DEBENTURE REQUIREMENTS		4,163	2,192	34,466	24,189	64,960	58,836	13,842	-	-	-	-	-	-	202,648

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Corporate Services

Property Services

10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debtventure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
14702	Energy Retrofits - Various Existing Buildings	380	-	380	-	-	-	-	-
14703	Corporate Services - Facilities Rehab & Repair	21,606	-	21,606	-	-	-	-	-
14704	Corporate Services - All Facilities Rehab & Repair	1,504	-	1,504	-	-	-	-	-
14706	Roads Facilities Rehab & Repair	2,569	-	2,569	-	-	-	-	-
14707	Solid Waste Facilities Rehab & Repair	229	-	229	-	-	-	-	-
14708	Water & Waste Water Facilities Rehab & Repair	5,408	-	5,408	-	-	-	-	-
14711	Employment & Financial Sppt Facilities Rehab & Repair	105	-	105	-	-	-	-	-
14712	Family & Child Services Facilities Rehab & Repair	418	-	418	-	-	-	-	-
14713	Long Term Care Facilities Rehab & Repair	4,939	-	4,939	-	-	-	-	-
14714	Public Health Facilities Rehab & Repair	141	-	141	-	-	-	-	-
14716	EMS Facilities Rehab & Repair	246	-	246	-	-	-	-	-
14722	Master Accommodation Plan (MAP) Implementation - Development of 3 new Southern Service Centres	56,789	-	-	56,789	-	-	-	-
14740	Ontario Disability Act (ODA)	240	-	240	-	-	-	-	-
14751	Energy Initiatives	1,500	-	1,500	-	-	-	-	-
14755	Security & Life Safety Projects	220	-	220	-	-	-	-	-

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Property Services

10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
14775	Property Services Branch (PSB) - General Capital (Corporate)	3,000	2,440	560	-	-	-	-	-
14780	Central Service Centre - Pre Construction	2,957	-	-	2,957	-	-	-	-
14781	Central Service Centre - Construction	115,547	-	-	115,547	-	-	-	-
14782	Central Service Centre - North/South Parking Lot Construction	21,000	-	-	21,000	-	-	-	-
14800	Energy & Environmental Management System	260	-	260	-	-	-	-	-
14810	Property Services Branch (PSB) - Technology	156	-	156	-	-	-	-	-
14835	Audio-visual (AV) Equipment & Events	265	-	265	-	-	-	-	-
14855	Space Intensification Initiatives	3,231	-	3,231	-	-	-	-	-
14860	Workplace Violence Risk Assessment (Bill 168)	440	-	440	-	-	-	-	-
14870	Facility Safety Regulations (O.Reg. 851)	110	-	110	-	-	-	-	-
Total Tax Supported		243,259	2,440	44,526	196,293	-	-	-	-
TOTAL FINANCING SOURCES		243,259	2,440	44,526	196,293	-	-	-	-

2011 Capital Business Plan

York Regional Police

Capital Strategy

York Regional Police's capital plan has been developed to provide the infrastructure necessary to deliver quality policing services. The York Regional Police 2011 capital budget totals \$10.3 million of new funding classified into the following components: vehicles, facilities, communications equipment, information technology, and specialized equipment. Expenditures in the 2011 capital plan will be funded via debenture proceeds (\$3.7 million or 36%), tax levies (\$5.8 million or 57%), development charge collections (\$0.4 million or 4%), and auction proceeds (vehicle sales \$0.4 million or 4%). The ten-year capital forecast to 2020 has been provided for planning purposes and totals \$175.0 million.

Key Initiatives (10 Year Plan)

Vehicles

- An annual project for the addition and replacement of marked, unmarked, and special purpose vehicles in accordance with York Regional Police's vehicle replacement methodology.
- Vehicle replacement is based on mileage of approximately 140,000 kilometres. The replacement methodology was set to maximize residual value of vehicles at auction and minimize major component repair cost. The 140,000 kilometre closely coincides with the 100,000 kilometre power train warranty as negotiated by the multi-agency co-operative purchasing group. Financing will in part come from auction proceeds, but primarily through contributions from the Operating Budget (not debentured), a pay-as-you-go philosophy, consistent with prior years practice.
- Additional Staff Vehicles will be partially funded from development charges with the remaining cost funded from contributions from the Operating Budget
- Repair and maintenance expenses for replacement and additional staff vehicles will be budgeted for in the Operating Budget. The incremental impact of the additional staff vehicles is \$9,900 per annum based on assumptions of 33,000 km per vehicle for 6 vehicles at a cost of \$0.05 per km.

Communications Equipment

- The portable and mobile radio project is an annual project for the replacement and addition of new radio equipment. Financing will be from a contribution from the Operating Budget of \$437,000 for the replacement component and from development charges of \$63,000 for radios relating to growth.

2011 Capital Business Plan

York Regional Police

Information Technology

- Information Technology Hardware and Software - This annual project replaces aged desktop computers, laptops and printers in accordance with the Ever-Greening Strategy. It will be financed by a \$1,768,000 contribution from the Operating Budget.
- In-Car Video - This is Phase 2 of an existing project. \$488,000 of new money will outfit 57 vehicles with advanced in-car camera and recording technology. Financing will come from debenture proceeds to be repaid over 5 years from the Operating budget.

Specialized Equipment

- Specialized equipment of \$445,000 includes furniture and other equipment for staff with \$250,000 being paid from contributions from the Operating Budget and \$195,000 from development charge collections.

New Projects Added to the 2011 Budget Process

Facilities

- #3 District Marine Headquarters - A new facility, the required funding in 2011 is estimated at \$980,000 and includes property and a mobile office for Marine Unit staff. An additional \$2,000,000 is planned in 2012 for project completion.
- Renovations to Existing Facilities - A renovation of the existing #3 District facility is needed to accommodate growth in recent years and provide for the future. Total cost is estimated at \$600,000 over two years - \$300,000 in both 2011 and 2012.
- Financing of both #3 District projects will be through debenture proceeds to be repaid exclusively from tax-levy, through the Operating Budget. Repayment of debt for the renovations will be over 5 years and repayment of debt for Marine Headquarters will be over 10 years.

Information Technology

- Infrastructure and Retention - This project targets the expanding records retention needs of the organization and trials for new IT initiatives. Funding of \$1,295,000 will come from debenture proceeds to be repaid over 5 years from the Operating budget.
- Digital Evidence Management - This is a new \$450,000 software solution providing for the authentication, organization, auditing, and cataloging of digital photographs and video from in-car cameras, security cameras, closed circuit television, and interview rooms. Financing will come from debenture proceeds to be repaid over 5 years from the Operating budget.

2011 Capital Business Plan

York Regional Police

- Cell Block Safety and Security - A Ministry of Community Safety and Correctional Services audit in June 2010 on Adequacy Standards identified the need for additional video monitoring equipment. This new project for \$173,000 will be financed from debenture proceeds to be repaid over 5 years from the Operating budget.

Long Term Outlook (10 Year Plan)

Expenditures

Capital requirements for the next 10 years (2011-2020) can be summarized into three main groups with facilities representing 32% of needs, vehicles 28% and information technology (including equipment) 40%. As the region continues to grow, York Regional Police will focus on both the maintenance and growth of its assets, in order to best serve the community of York Region.



2011 Business Plan and Budget

Police Services

York Regional Police

10 Year Capital Summary 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
(in \$000's)											
GROSS EXPENDITURES											
Tangible Capital Assets											
Rehabilitation/Replacement											
Communications	500	520	8,040	8,060	580	600	620	640	640	660	20,860
Fleet Rehabilitation	3,722	4,844	4,105	4,060	4,430	4,420	4,690	6,070	4,710	5,850	46,901
IT Implementation & Upgrade	3,063	3,400	3,490	3,340	3,440	3,790	3,890	3,750	3,870	4,240	36,273
Office & Administrative Buildings	300	300	-	600	-	-	-	600	-	-	1,800
Sub Total Rehabilitation/Replacement	7,585	9,064	15,635	16,060	8,450	8,810	9,200	11,060	9,220	10,750	105,834
Growth/Expansion											
Fleet Rehabilitation	190	200	210	220	230	240	250	260	270	280	2,350
Office & Administrative Buildings	980	2,000	9,000	14,000	-	18,000	5,000	-	-	5,000	53,980
Specialized Equipment	445	450	460	470	480	1,746	500	510	510	520	6,091
Sub Total Growth/Expansion	1,615	2,650	9,670	14,690	710	19,986	5,750	770	780	5,800	62,421
Enhancement/Improvement											
IT Implementation & Upgrade	1,111	488	377	450	1,035	758	450	450	1,035	585	6,739
Sub Total Enhancement/Improvement	1,111	488	377	450	1,035	758	450	450	1,035	585	6,739
Total Tangible Capital Assets	10,311	12,202	25,682	31,200	10,195	29,554	15,400	12,280	11,035	17,135	174,994
TOTAL GROSS EXPENDITURES	10,311	12,202	25,682	31,200	10,195	29,554	15,400	12,280	11,035	17,135	174,994



2011 Business Plan and Budget

Police Services

York Regional Police

10 Year Capital Summary 2011 - 2020

(in \$000's)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Total Rehabilitation/Replacement	7,585	9,064	15,635	16,060	8,450	8,810	9,200	11,060	9,220	10,750	105,834
Total Growth/Expansion	1,615	2,650	9,670	14,690	710	19,986	5,750	770	780	5,800	62,421
Total Enhancement/Improvement	1,111	488	377	450	1,035	758	450	450	1,035	585	6,739
TOTAL GROSS EXPENDITURES	10,311	12,202	25,682	31,200	10,195	29,554	15,400	12,280	11,035	17,135	174,994

FINANCING											
Reserves	-	-	-	-	-	-	-	-	-	-	-
Debenture Proceeds	(3,686)	(5,382)	(18,662)	(23,960)	(2,735)	(21,864)	(7,480)	(4,130)	(2,665)	(8,515)	(99,079)
Development Charges	(388)	(388)	(388)	(388)	(388)	(388)	(388)	(388)	(388)	(388)	(3,880)
Other Recoveries	(386)	(400)	(410)	(420)	(430)	(440)	(450)	(460)	(470)	(480)	(4,346)
TOTAL FINANCING	(4,460)	(6,170)	(19,460)	(24,768)	(3,553)	(22,692)	(8,318)	(4,978)	(3,523)	(9,383)	(107,305)
TAX LEVY	(5,851)	(6,032)	(6,222)	(6,432)	(6,642)	(6,862)	(7,082)	(7,302)	(7,512)	(7,752)	(67,689)



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Police Services
York Regional Police

Net Operating Impact of New Capital Projects 2011 - 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	(in \$ 000's)									
Operating Costs										
Debt Repayment	43	796	1,945	4,221	6,858	7,735	9,668	10,173	10,630	10,749
Repairs and Maintenance	10	8	8	8	8	8	8	8	8	8
Contract/Program Costs	5,851	6,032	6,222	6,432	6,642	6,862	7,082	7,302	7,512	7,752
Total Gross Costs	5,904	6,837	8,175	10,661	13,509	14,605	16,758	17,483	18,150	18,509
Revenues										
Other Revenue	(386)	(400)	(410)	(420)	(430)	(440)	(450)	(460)	(470)	(480)
DC on Debt	-	-	-	-	-	(103)	(637)	(1,034)	(1,033)	(1,078)
Total Revenues	(386)	(400)	(410)	(420)	(430)	(543)	(1,087)	(1,494)	(1,503)	(1,558)
Total Net Cost (Tax Levy)	5,518	6,437	7,765	10,241	13,079	14,062	15,672	15,989	16,647	16,951

2011 Capital Business Plan

York Regional Police

Pressures of Net Operating Impact of New Capital Projects

The net operating impact of new capital projects is split between debt repayment of \$63 million over 10 years, which is being driven by growth related facility requirements, and direct program costs of \$68 million resulting from annual vehicle and information technology replacement. Partial funding from development charges is anticipated starting 2016.



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York Regional Police
2011 New Total Project Budget Authority

Project Number	Project Name	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES								
Tangible Capital Assets								
Rehabilitation/Replacement								
26070	Renovations to Existing Facilities	300	-	-	-	-	-	300
29010	Vehicles - Replacement & Additional	3,722	-	-	-	-	-	3,722
29022	IT Hardware and Software	1,768	-	-	-	-	-	1,768
29028	Portable and Mobile Radio Replacement	500	-	-	-	-	-	500
29030	IT Infrastructure and Retention	1,295	-	-	-	-	-	1,295
	Sub Total Rehabilitation/Replacement	7,585	-	-	-	-	-	7,585
Growth/Expansion								
27730	#3 District - Marine Headquarters	980	-	-	-	-	-	980
29010	Vehicles - Replacement & Additional	190	-	-	-	-	-	190
29017	Specialized Equip - Growth Staff	445	-	-	-	-	-	445
	Sub Total Growth/Expansion	1,615	-	-	-	-	-	1,615
Enhancement/Improvement								
29020	Digital Evidence Management	450	-	-	-	-	-	450
29026	In Car Video	488	-	-	-	-	-	488
29035	ERP Financial System Enhancements	173	-	-	-	-	-	173
	Sub Total Enhancement/Improvement	1,111	-	-	-	-	-	1,111
	Total Tangible Capital Assets	10,311	-	-	-	-	-	10,311
	TOTAL GROSS EXPENDITURES	10,311	-	-	-	-	-	10,311



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011
			(in \$000's)		
Projects Approved as part of the 2010 TPBA					
Tangible Capital Assets					
Rehabilitation/Replacement					
26070	Renovations to Existing Facilities	On-going expansion / renovations to all York Regional Police facilities to meet growth requirements. Addition of 2011 to ongoing project.	3,819	4,119	300
29010	Vehicles - Replacement & Additional	An annual project for the replacement of marked, unmarked, and specialty vehicles. Addition of 2011 to ongoing project.	24,924	28,646	3,722
29022	IT Hardware and Software	To follow the Region's precedence and switch from leasing to buying IT hardware and infrastructure. Addition of 2011 to ongoing project.	8,400	10,168	1,768
29028	Portable and Mobile Radio Replacement	A replacement project for portable and mobile radios. Addition of 2011 to ongoing project.	740	1,240	500
Sub Total Rehabilitation/Replacement					6,290



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Police Services
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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011
			(in \$000's)		
Growth/ Expansion					
29010	Vehicles - Replacement & Additional	An annual project for the replacement of marked, unmarked, and specialty vehicles. Addition of 2011 to ongoing project.	3,216	3,406	190
29017	Specialized Equip - Growth Staff	To maximize Development Charge collections by incorporating Specialized Equipment related to growth. Addition of 2011 to ongoing project.	4,574	5,019	445
Sub Total Growth/Expansion					635
Enhancement/ Improvement					
29026	In Car Video	To install In Car video in Police vehicles. Addition of 2011 to ongoing project.	720	1,208	488
Sub Total Enhancement/Improvement					488
Total Tangible Capital Assets					7,413
TOTAL PROJECTS APPROVED AS PART OF 2010 TPBA					7,413



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011
			(in \$000's)		
<u>New Projects Introduced to 2011 TPBA</u>					
Tangible Capital Assets					
Rehabilitation/Replacement					
29030	IT Infrastructure and Retention	This annual project targets the expanding records retention needs of the organization and trials for new IT initiatives.	-	1,295	1,295
Sub Total Rehabilitation/Replacement					
Growth/ Expansion					
27730	#3 District - Marine Headquarters	A separate facility to house the Marine Unit, it's staff members and equipment, to accommodate growth within the unit and better serve this growing community.	-	980	980
Sub Total Growth/Expansion					
Enhancement/ Improvement					
29020	Digital Evidence Management	A solution providing for the authentication, organization, auditing, and cataloging of digital photographs and video from in-car cameras, security cameras, closed circuit television and interview rooms.	-	450	450



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2011 New Total Project Budget Authority Explanations

Project #	Project Name	Project Description / Change Explanation	2010	2011	New
			Approved TPBA	Approved TPBA	TPBA 2011
			(in \$000's)		
29035	Cell Block Safety and Security	A 2010 Ministry audit identified the need for additional video monitoring equipment in the cell blocks to improve safety and security.	-	173	173
Sub Total Enhancement/Improvement					623
Total Tangible Capital Assets					2,898
TOTAL NEW PROJECTS INTRODUCED TO 2011 TPBA					2,898
TOTAL GROSS EXPENDITURES					10,311

2011 Business Plan and Budget



Police Services
York Regional Police

2011 New Total Project Budget Authority - Financing Sources

Project Number	Project Name (in \$000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
26070	Renovations to Existing Facilities	300	-	-	300	-	-	-	-
27730	#3 District - Marine Headquarters	980	-	-	980	-	-	-	-
29010	Vehicles - Replacement & Additional	3,912	3,396	-	-	130	-	-	386
29017	Specialized Equip - Growth Staff	445	250	-	-	195	-	-	-
29020	Digital Evidence Management	450	-	-	450	-	-	-	-
29022	IT Hardware and Software	1,768	1,768	-	-	-	-	-	-
29026	In Car Video	488	-	-	488	-	-	-	-
29028	Portable and Mobile Radio Replacement	500	437	-	-	63	-	-	-
29030	IT Infrastructure and Retention	1,295	-	-	1,295	-	-	-	-
29035	Cell Block Safety and Security	173	-	-	173	-	-	-	-
Total Tax Supported		10,311	5,851	-	3,686	388	-	-	386
TOTAL FINANCING SOURCES		10,311	5,851	-	3,686	388	-	-	386



2011 Business Plan and Budget
Police Services
York Regional Police
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
															(in \$000's)
GROSS EXPENDITURES															
Tangible Capital Assets															
Rehabilitation/Replacement															
26070	Renovations to Existing Facilities	3,819	-	300	300	-	600	-	-	-	600	-	-	-	5,619
27730	Marine Patrol Boat	427	-	-	610	165	-	-	110	250	-	-	1,000	-	2,562
27820	Police Helicopter	750	-	-	404	-	-	250	-	-	1,500	-	-	-	2,904
28130	Computer-Aided Dispatch / Records Mgmt System	3,762	-	-	250	250	-	-	250	250	-	-	250	-	5,012
29010	Vehicles - Replacement & Additional	21,031	3,893	3,722	3,830	3,940	4,060	4,180	4,310	4,440	4,570	4,710	4,850	-	67,536
29012	Radio Software and Infrastructure Replacement	1,843	-	-	-	7,500	7,500	-	-	-	-	-	-	-	16,843
29022	IT Hardware and Software	6,635	1,765	1,768	1,820	1,870	1,930	1,990	2,050	2,110	2,170	2,240	2,310	-	28,658
29028	Portable and Mobile Radio Replacement	370	370	500	520	540	560	580	600	620	640	640	660	-	6,600
29030	IT Infrastructure and Retention	-	-	1,295	1,330	1,370	1,410	1,450	1,490	1,530	1,580	1,630	1,680	-	14,765
	Sub Total Rehabilitation/Replacement	38,636	6,028	7,585	9,064	15,635	16,060	8,450	8,810	9,200	11,060	9,220	10,750	-	150,498
Growth/Expansion															
26730	Training Branch Facility	659	-	-	-	9,000	9,000	-	-	-	-	-	-	-	18,659
27600	Community Policing Stations	-	-	-	-	-	5,000	-	-	5,000	-	-	5,000	-	15,000
27720	Central Lock-up	-	-	-	-	-	-	-	8,000	-	-	-	-	-	8,000
27730	#3 District - Marine Headquarters	-	-	980	2,000	-	-	-	-	-	-	-	-	-	2,980
29010	Vehicles - Replacement & Additional	3,035	181	190	200	210	220	230	240	250	260	270	280	-	5,566
29013	Central Services Building (formerly Investigative and Support Services Facility)	53,486	19,014	-	-	-	-	-	10,000	-	-	-	-	-	82,500
29017	Specialized Equip - Growth Staff	4,294	280	445	450	460	470	480	490	500	510	510	520	-	9,409
29023	Interception Equipment Rooms	-	1,256	-	-	-	-	-	1,256	-	-	-	-	-	2,512



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Balance to Complete	Total Project
		(in \$000's)													
	Sub Total Growth/Expansion	61,474	20,731	1,615	2,650	9,670	14,690	710	19,986	5,750	770	780	5,800	-	144,626
	Enhancement/Improvement														
29020	Digital Evidence Management	-	-	450	-	-	450	450	-	-	-	450	-	-	1,350
29026	In Car Video	260	460	488	488	377	450	585	585	450	450	585	585	-	5,763
29035	Cell Block Safety and Security	-	-	173	-	-	-	173	-	-	-	-	-	-	346
	Sub Total Enhancement/Improvement	260	460	1,111	488	377	450	1,035	758	450	450	1,035	585	-	7,459
	Total Tangible Capital Assets	100,370	27,219	10,311	12,202	25,682	31,200	10,195	29,554	15,400	12,280	11,035	17,135	-	302,583
	TOTAL GROSS EXPENDITURES	100,370	27,219	10,311	12,202	25,682	31,200	10,195	29,554	15,400	12,280	11,035	17,135	-	302,583
	FINANCING SOURCES														
	Regional Sources														
	Development Charges	5,690	388	388	388	388	388	388	388	388	388	388	388	-	9,958
	Other Revenues	2,174	348	386	400	410	420	430	440	450	460	470	480	-	6,868
	Reserve: Current Tax Levy	27,915	5,753	5,851	6,032	6,222	6,432	6,642	6,862	7,082	7,302	7,512	7,752	-	101,357
	Reserve: General Capital	3,977	-	-	-	-	-	-	-	-	-	-	-	-	3,977
	Sub Total Regional Sources	39,756	6,489	6,625	6,820	7,020	7,240	7,460	7,690	7,920	8,150	8,370	8,620	-	122,160
	TOTAL AVAILABLE FINANCING	39,756	6,489	6,625	6,820	7,020	7,240	7,460	7,690	7,920	8,150	8,370	8,620	-	122,160
	TOTAL DEBENTURE REQUIREMENTS	60,614	20,730	3,686	5,382	18,662	23,960	2,735	21,864	7,480	4,130	2,665	8,515	-	180,423
	TOTAL FINANCING SOURCES	100,370	27,219	10,311	12,202	25,682	31,200	10,195	29,554	15,400	12,280	11,035	17,135	-	302,583



2011 Business Plan and Budget
Police Services
York Regional Police
10 Year Capital Plan 2011 - 2020

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	(in \$000's)							Balance to Complete	Total Project		
				2011	2012	2013	2014	2015	2016	2017			2018	2019
DEBENTURE REPAYMENT SOURCES														
	Prior Years	13,908	-	-	-	-	-	-	-	-	-	-	-	13,908
	Development Charges	22,140	6,468	-	-	6,870	3,435	-	-	-	3,435	-	-	42,348
	Tax Levy	24,566	14,262	3,686	5,382	18,662	23,960	2,735	14,994	4,045	4,130	2,665	5,080	124,167
TOTAL DEBENTURE REQUIREMENTS		60,614	20,730	3,686	5,382	18,662	23,960	2,735	21,864	7,480	4,130	2,665	8,515	180,423

2011 Business Plan and Budget



Police Services
York Regional Police

10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debt/ure Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
Tax Supported									
26070	Renovations to Existing Facilities	1,800	-	-	1,800	-	-	-	-
26730	Training Branch Facility	18,000	-	-	18,000	-	-	-	-
27600	Community Policing Stations	15,000	-	-	15,000	-	-	-	-
27720	Central Lock-up	8,000	-	-	8,000	-	-	-	-
27730	Marine Patrol Boat	5,115	-	-	5,115	-	-	-	-
27820	Police Helicopter	2,154	-	-	2,154	-	-	-	-
28130	Computer-Aided Dispatch / Records Mgmt System	1,250	-	-	1,250	-	-	-	-
29010	Vehicles - Replacement & Additional	44,962	39,316	-	-	1,300	-	-	4,346
29012	Radio Software and Infrastructure Replacement	15,000	-	-	15,000	-	-	-	-
29013	Central Services Building (formerly Investigative and Support Services Facility)	10,000	-	-	10,000	-	-	-	-
29017	Specialized Equip - Growth Staff	4,835	2,885	-	-	1,950	-	-	-
29020	Digital Evidence Management	1,350	-	-	1,350	-	-	-	-
29022	IT Hardware and Software	20,258	20,258	-	-	-	-	-	-
29023	Interception Equipment Rooms	1,256	-	-	1,256	-	-	-	-
29026	In Car Video	5,043	-	-	5,043	-	-	-	-
29028	Portable and Mobile Radio Replacement	5,860	5,230	-	-	630	-	-	-
29030	IT Infrastructure and Retention	14,765	-	-	14,765	-	-	-	-

2011 Business Plan and Budget



Police Services
York Regional Police

10 Year Capital Financing Sources by Project 2011 - 2020

Project Number	Project Name (in \$ 000's)	Capital Project Total	Tax Levy - Reserve	Reserves	Debenture Proceeds	Development Charges	Grants & Subsidies	Water & Wastewater User Rates	Other Recoveries
29035	Cell Block Safety and Security	346	-	-	346	-	-	-	-
Total Tax Supported		174,994	67,689	-	99,079	3,880	-	-	4,346
TOTAL FINANCING SOURCES		174,994	67,689	-	99,079	3,880	-	-	4,346

Appendix

Total Project Budget Authority (TPBA)

2011 Total Project Budget Authority

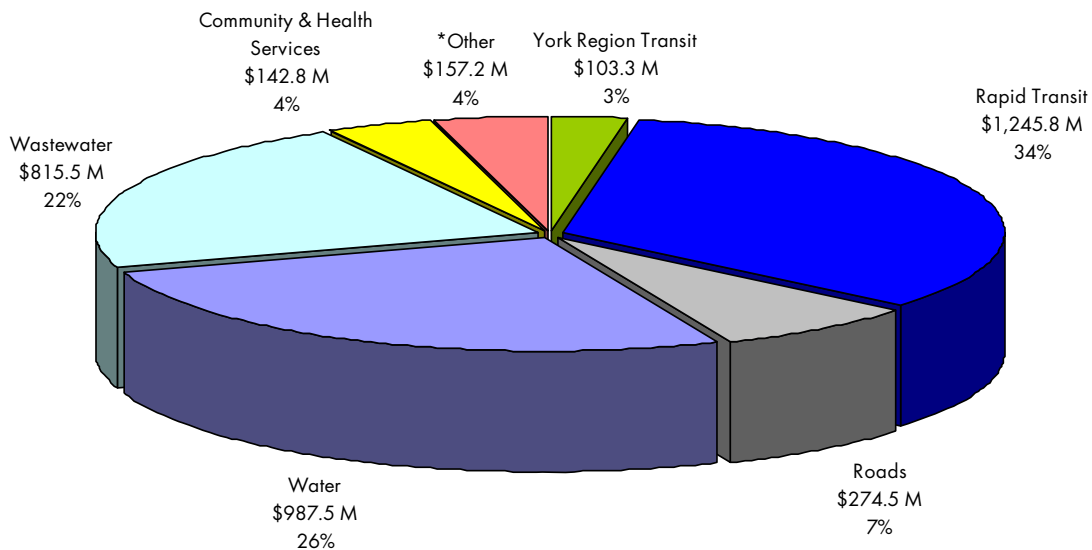
Total Project Budget Authority (TPBA)

The 2011 TPBA from 2011 to 2021 is \$3.7 billion. This includes \$2.8 billion from commitments from previous budgets and the New TPBA of \$900.0 million.

Total Project Budget Authority (TPBA) Expenditures

The following chart provides an illustration of the approved expenditures by service area from 2011 to 2021 including expenditures previously approved and new expenditures to be approved.

2011 TPBA Expenditures by Service Area \$3.7 Billion



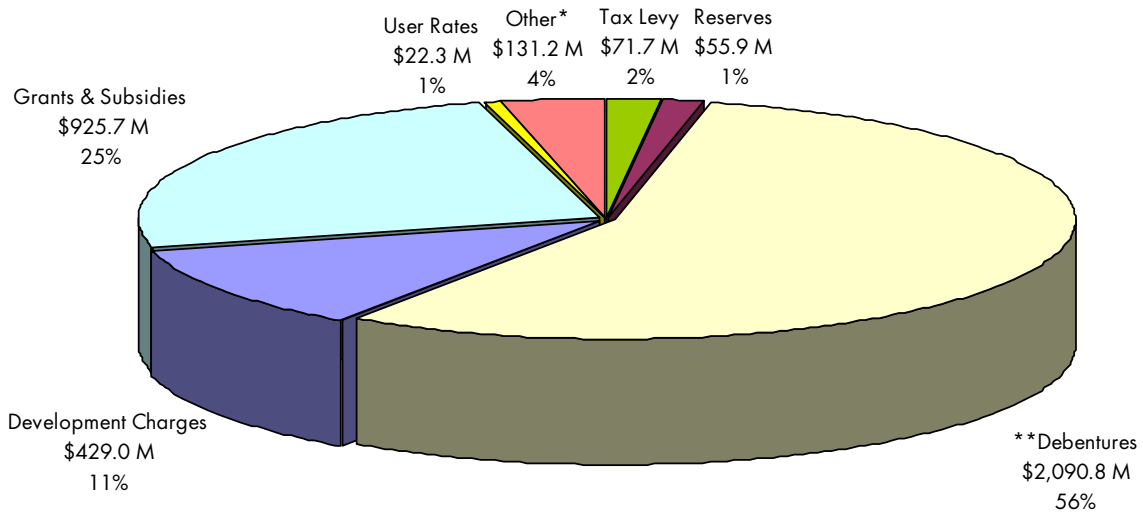
*Other \$157.2 M	
Solid Waste	\$93.8 M
IT	\$7.0 M
Property Services	\$46.1 M
Police	\$10.3 M

2011 Total Project Budget Authority

Total Project Budget Authority Financing Sources

The following chart provides an illustration of the associated financing sources for the approved expenditures from 2011 to 2021.

2011 TPBA Financing by Category \$3.7 Billion



* Other \$131.2 M	
Developer Up-Front Financing	\$76.5 M
Municipal Funding	\$2.3 M
Third Party Recoveries	\$52.0 M
Sale of Equipment	\$0.4 M

** Debentures \$2,090.8 M	
Tax Levy	\$396.6 M
Development Charges	\$1,586.6 M
User Rate	\$66.4 M
Other	\$41.2 M

Note: Grants & Subsidies include Federal Gas Tax

The tables on the following pages provide details on TPBA expenditures by project and financing sources by service area.



2011 Business Plan and Budget
Transportation Services
York Region Transit

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
82190	Bus Terminals Loops & Stops-Replacement	4,285	1,140	373	-	-	-	-	-	5,798
84411	Mobility Plus Buses Replacement - 2011	-	-	1,800	-	-	-	-	-	1,800
84611	Conventional Buses Replacement-2011/2012	-	-	-	2,765	-	-	-	-	2,765
	Sub Total Rehabilitation/Replacement	4,285	1,140	2,173	2,765	-	-	-	-	10,363
Growth/Expansion										
81582	Transit Vehicle Garage - North	15,000	-	-	-	25,000	8,000	-	-	48,000
81583	Transit Vehicle Garage - Southeast	-	-	25,000	-	-	-	-	-	25,000
82150	Bus Terminals Loops & Stops-Expansion	7,542	2,650	4,733	-	-	-	-	-	14,925
82170	Presto Card	4,428	4,700	4,330	-	-	-	-	-	13,458
82770	Support Vehicles	590	40	300	-	-	-	-	-	930
83570	South Services Centre Space Expansion	961	200	175	-	-	-	-	-	1,336
84311	Mobility Plus Buses Expansion -2011	-	-	600	-	-	-	-	-	600
84511	Conventional Buses Expansion-2011/2012	-	-	5,530	17,696	-	-	-	-	23,226
	Sub Total Growth/Expansion	28,521	7,590	40,668	17,696	25,000	8,000	-	-	127,475
Enhancement/Improvement										
86101	Bus Training Simulator	1,000	-	250	-	-	-	-	-	1,250
86103	Bike Racks & Lockers	70	50	-	125	-	-	-	-	245



2011 Business Plan and Budget
Transportation Services
York Region Transit

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
86107	Intelligent Transportation Systems (ITS) Software Systems	-	1,330	530	-	-	-	-	-	1,860
86109	Operations and Maintenance (O&M) Facility Leasehold Improvements	-	-	1,600	-	-	-	-	-	1,600
86110	Vehicle Diagnostic and Pedestrian Detection Systems	-	-	180	-	-	-	-	-	180
86111	Fire Suppression System	-	-	800	800	1,000	-	-	-	2,600
86180	Computer Aided Dispatch/Automatic Vehicle Location System	9,510	-	500	-	-	-	-	-	10,010
Sub Total Enhancement/Improvement		10,580	1,380	3,860	925	1,000	-	-	-	17,745
Total Tangible Capital Assets		43,386	10,110	46,700	21,386	26,000	8,000	-	-	155,582
Non-Tangible Capital Assets										
Rehabilitation/Replacement										
86102	Viva Buses Refresh	320	33	1,250	-	-	-	-	-	1,603
Sub Total Rehabilitation/Replacement		320	33	1,250	-	-	-	-	-	1,603
Total Non-Tangible Capital Assets		320	33	1,250	-	-	-	-	-	1,603
TOTAL GROSS EXPENDITURES		43,706	10,143	47,950	21,386	26,000	8,000	-	-	157,185



2011 Business Plan and Budget
Transportation Services
York Region Transit

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
FINANCING SOURCES										
Regional Sources										
	Development Charges	2,189	370	2,340	1,062	1,500	480	-	-	7,941
	Development Charges Committed	371	-	-	-	-	-	-	-	371
	Reserve: Current Tax Levy	6,685	2,819	6,200	936	1,000	-	-	-	17,640
	Reserve: General Capital	-	-	-	1,740	-	-	-	-	1,740
	Reserve: Prior Year Tax Levy	3,348	-	-	-	-	-	-	-	3,348
	Sub Total Regional Sources	12,593	3,189	8,540	3,738	2,500	480	-	-	31,040
External Sources										
	Provincial Funding	70	61	1,010	1,014	-	-	-	-	2,155
	Reserve: Federal Gas Tax	2,042	6,893	38,401	16,634	-	-	-	-	63,970
	Reserve: Provincial Gas Tax	933	-	-	-	-	-	-	-	933
	Sub Total External Sources	3,045	6,954	39,410	17,648	-	-	-	-	67,057
	TOTAL AVAILABLE FINANCING	15,638	10,143	47,950	21,386	2,500	480	-	-	98,097
	TOTAL DEBENTURE REQUIREMENTS	28,069	-	-	-	23,500	7,520	-	-	59,089
	TOTAL FINANCING SOURCES	43,706	10,143	47,950	21,386	26,000	8,000	-	-	157,185
DEBENTURE REPAYMENT SOURCES										
	Prior Years	6,525	-	-	-	-	-	-	-	6,525
	Tax Levy	21,543	-	-	-	23,500	7,520	-	-	52,563
	TOTAL DEBENTURE REQUIREMENTS	28,069	-	-	-	23,500	7,520	-	-	59,089



2011 Business Plan and Budget
 York Region Rapid Transit Corporation
 Rapid Transit
 2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Growth/Expansion										
90992	Bus Rapid Transit (BRT) Facilities and Terminals	13,632	-	16,079	57,549	35,837	3,104	-	-	126,201
90993	Bus Rapid Transit (BRT) Vehicles - Partially or Fully Funded	1,169	11,509	7,131	5,170	7,346	11,010	-	-	43,335
90994	Bus Rapid Transit - Unfunded	-	740	165	170	-	-	-	-	1,075
90996	Spadina Subway Extension	90,248	3,584	249,429	291,457	181,015	122,596	147,674	-	1,086,004
90997	Yonge Subway Extension	3,240	120	27,840	30,933	15,466	-	-	-	77,599
90999	Capacity Upgrades Special Studies and Strategy Implementation	-	-	1,365	4,297	7,904	12,701	6,776	2,747	35,789
Sub Total Growth/Expansion		108,289	15,953	302,009	389,575	247,569	149,411	154,450	2,747	1,370,003
Total Tangible Capital Assets		108,289	15,953	302,009	389,575	247,569	149,411	154,450	2,747	1,370,003
TOTAL GROSS EXPENDITURES		108,289	15,953	302,009	389,575	247,569	149,411	154,450	2,747	1,370,003



2011 Business Plan and Budget
York Region Rapid Transit Corporation
Rapid Transit
2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
FINANCING SOURCES										
Regional Sources										
	Development Charges	-	-	53,329	23,116	15,969	10,652	7,965	-	111,031
	Other Revenues	10,000	-	-	-	-	-	-	-	10,000
	Reserve: General Capital	3,240	960	1,365	170	-	-	-	-	5,735
	Sub Total Regional Sources	13,240	960	54,695	23,286	15,969	10,652	7,965	-	126,766
External Sources										
	Federal Funding	34,150	6,916	90,568	128,504	81,930	47,922	45,898	-	435,889
	Provincial Funding	26,749	1,161	93,329	112,619	68,071	40,865	45,898	-	388,693
	Sub Total External Sources	60,899	8,077	183,897	241,123	150,002	88,788	91,796	-	824,582
	TOTAL AVAILABLE FINANCING	74,139	9,037	238,592	264,409	165,970	99,440	99,761	-	951,348
	TOTAL DEBENTURE REQUIREMENTS	34,150	6,916	63,417	125,166	81,599	49,971	54,689	2,747	418,655
	TOTAL FINANCING SOURCES	108,289	15,953	302,009	389,575	247,569	149,411	154,450	2,747	1,370,003
DEBENTURE REPAYMENT SOURCES										
	Development Charges	20,231	1,136	9,000	56,000	33,000	21,000	26,000	-	166,367
	Tax Levy	13,918	5,781	54,417	69,166	48,599	28,971	28,689	2,747	252,288
	TOTAL DEBENTURE REQUIREMENTS	34,150	6,916	63,417	125,166	81,599	49,971	54,689	2,747	418,655



2011 Business Plan and Budget
Transportation Services
Roads

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
39930	Bridge & Culvert Rehabilitation	4,595	1,100	1,500	-	-	-	-	-	7,195
39960	Various Road Resurfacing	74,649	11,000	5,458	-	-	-	-	-	91,107
39980	Various Road Improvements	16,367	2,575	2,575	-	-	-	-	-	21,517
80101A	King Road - Yonge Street to Bond Crescent (Design/Property)	-	-	505	-	-	-	-	-	505
80108	Sign Inventory Management Program	-	-	500	-	-	-	-	-	500
80109	York Regional Forest Head Quarters (Pre Construction)	-	-	50	100	-	-	-	-	150
83910	Road Asset Management	1,200	500	400	-	-	-	-	-	2,100
83940	Teston Rd - East of Pine Valley Dr (Pre-Construction)	2,480	810	-	1,229	-	-	-	-	4,519
84930	Automated Vehicle Location (AVL) System - Winter Maintenance	210	110	150	-	-	-	-	-	470
84950	Drainage System Program	250	250	250	-	-	-	-	-	750
99910	Fleet Replacement	7,838	1,225	1,225	-	-	-	-	-	10,288
	Sub Total Rehabilitation/Replacement	107,589	17,570	12,613	1,329	-	-	-	-	139,101
Growth/Expansion										
39920	Property Acquisition for Future Capital Projects	4,449	500	500	-	-	-	-	-	5,449
39950	Intersection Improvements Program	17,849	2,449	2,474	-	-	-	-	-	22,772
39970	Misc. Developer Credit	12,200	600	600	-	-	-	-	-	13,400



**2011 Business Plan and Budget
Transportation Services
Roads**

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
39990	Traffic Control Signal & Electrical Improvements	8,788	750	750	-	-	-	-	-	10,288
80104	Keele Street and Lloydtown/Aurora Rd (Class EA)	-	-	165	165	-	-	-	-	330
80107	Nobelton Area Ancillary Facility	-	-	100	200	-	-	-	-	300
80610	Bathurst St - King Rd to Wellington St	14,117	150	1,110	20	-	-	-	-	15,397
80620	Bathurst St - Wellington St to Mulock Dr	11,895	-	613	-	-	-	-	-	12,508
80660	Ninth Line - N of Major Mackenzie Dr to Stouffville Main St	1,230	3,065	8,570	6,335	2,795	-	-	-	21,995
80720	Markham Bypass - Major Mackenzie Dr to Hwy 48 (Pre-Construction)	2,955	1,290	5,350	-	-	-	-	-	9,595
80790	14th Ave - Reesor Rd to York Durham Line (Class EA)	-	-	160	160	-	-	-	-	320
80880	York Greening Initiative-Land Securement	4,518	1,000	200	-	-	-	-	-	5,718
81320A	Major Mackenzie Dr - Hwy 27 to Pine Valley Dr (Class EA)	-	-	1,020	1,260	1,260	-	-	-	3,540
81390	Bathurst St - North of Hwy 7 to Rutherford Rd (Pre-Construction)	483	496	1,393	-	-	-	-	-	2,372
81510	Keele St and 15th Sideroad	2,625	781	436	-	-	-	-	-	3,842
81810	Hwy 50 - Hwy 7 to Rutherford Rd	3,302	5,920	2,155	3,610	3,210	-	-	-	18,197
82730	Dufferin St - Major Mackenzie Dr to Teston Rd	-	-	240	-	-	-	-	-	240
82740	Bayview Ave - 16th Ave to Major Mackenzie Dr (Class EA)	275	-	100	75	-	-	-	-	450
82860	Bathurst St - Rutherford Rd to Major Mackenzie Dr (Pre-Construction)	642	342	310	-	-	-	-	-	1,294
83020	King Rd - Hwy 27 to Hwy 400 (Class EA)	-	500	40	500	-	-	-	-	1,040
83450	Major Mackenzie Dr - Hwy 50 to Canadian Pacific Railway (CPR) (Design/Property)	-	220	250	280	3,025	-	-	-	3,775



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83850	Highway 50 and Albion-Vaughan Road/Mayfield (Pre-Construction)	2,054	-	55	140	140	100	-	-	2,489
83870	Ninth Line and Elgin Mills Rd	892	1,095	1,200	4,440	-	-	-	-	7,627
83880	Ninth Line and Major Mackenzie Dr	6,575	-	4,200	3,900	-	-	-	-	14,675
83890	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	420	-	36	-	-	-	-	-	456
83890A	Hwy 50 - Rutherford Rd to Major Mackenzie Dr (Class EA)	-	-	915	-	-	-	-	-	915
83900	Hwy 50 - Major Mackenzie Dr to Albion-Vaughan Rd (Pre-Construction)	764	-	650	-	-	-	-	-	1,414
84120	Keele St - Hwy 7 to Langstaff Rd (Class EA)	400	-	50	-	-	-	-	-	450
84180	Leslie St - Wellington St to St. John's (Design/Property)	380	-	151	232	942	40	-	-	1,745
84190A	Leslie St - St John's Sdrd to Mullock Dr (Class EA)	-	-	151	232	812	-	-	-	1,195
84200A	Doane Road - Highway 404 to Yonge St (Class EA)	-	-	545	545	3,000	3,750	-	-	7,840
84860	Bathurst St and Hwy 9 (Pre-Construction)	365	-	100	485	-	-	-	-	950
84890	Kennedy Rd - 14 th Ave to Hwy 407 (Class EA)	780	-	115	-	-	-	-	-	895
85110	Teston Road - Dufferin Street to Keele Street (Class EA)	-	-	266	-	-	-	-	-	266
85560	Rutherford Rd - Keele St to Dufferin St (Class EA)	370	-	208	-	-	-	-	-	578
85570	Rutherford Rd - Jane St to Keele St (Class EA)	335	-	124	-	-	-	-	-	459
85580	Rutherford Rd - Dufferin St to Bathurst St (Class EA)	345	8	147	-	-	-	-	-	500
85590	Carrville Rd - Bathurst St to Yonge St (Class EA)	265	90	184	-	-	-	-	-	539



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
85620	2nd Concession - Green Lane to Doane Rd (Pre-Construction)	700	720	1,050	1,100	4,500	-	-	-	8,070
85650	Major Mackenzie Dr - Canadian Pacific Railway (CPR) to Hwy 27 (Design/Property)	-	-	425	1,125	5,425	2,700	-	-	9,675
85660	Major Mackenzie Dr - Pine Valley Dr to Weston Rd (Design/Property)	100	-	570	550	-	-	-	-	1,220
85680	Major Mackenzie Dr - Jane St to Keele St (Class EA)	160	-	100	-	-	-	-	-	260
85690	Stouffville Rd - Warden Ave to Kennedy Rd	3,680	7,330	20	-	-	-	-	-	11,030
85700	Stouffville Rd - Kennedy Rd to McCowan Rd	5,995	1,850	5,115	-	-	-	-	-	12,960
85710	Yonge St - Davis Dr to Green Lane (Pre-Construction)	585	1,245	-	560	-	-	-	-	2,390
85720	Jane St and Major Mackenzie Dr (Pre-Construction)	250	-	55	55	105	50	-	-	515
85740	Hwy 7 and Keele St (Class EA)	100	-	57	-	-	-	-	-	157
85780	Ninth Line & Stouffville Rd Jog Elimination (Pre-Construction)	2,770	2,580	4,574	-	-	-	-	-	9,924
85790	Southeast Patrol Area Works Yard	3,300	10,050	310	275	400	2,550	2,950	1,000	20,835
86770	Major Mackenzie Dr - Bathurst St to Keele St (Class EA)	237	-	100	-	-	-	-	-	337
86810	York Durham Line - Hwy 407 to Hwy 7 (Pre-Construction)	-	515	-	-	550	-	-	-	1,065
86820	York Durham Line - Hwy 7 to Main St Stouffville (Class EA)	-	-	560	565	-	-	-	-	1,125
86900	Keele St at 17th Sdrd (Pre-Construction)	365	-	175	235	230	340	300	-	1,645
86910	Dufferin St and King/Vaughan Road (Pre-Construction)	265	13	325	800	-	-	-	-	1,403
86920	Keele St and King/Vaughan Road (Pre-Construction)	265	13	266	320	-	-	-	-	864



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86930	Jane St and King/Vaughan Road (Pre-Construction)	265	13	291	500	500	-	-	-	1,569
86940	Keele St and McNaughton Rd (Construction)	1,355	-	2,000	-	-	-	-	-	3,355
91120	Metro Rd - Morton Ave to Old Homestead Rd (Class EA)	280	-	190	-	-	-	-	-	470
94200	Ninth Line - Hwy 407 to the Markham Bypass	16,198	1,296	1,388	-	-	-	-	-	18,882
96020	Bathurst St - Green Lane West to Yonge St (Pre-Construction)	1,336	-	2,050	1,300	-	-	-	-	4,686
96700	Woodbine Ave - Ravenshoe Rd to Morton Ave	6,555	8,575	6,148	4,225	-	-	-	-	25,503
96770	Keele St - Steeles Ave to Hwy 407 (Pre-Construction)	924	254	71	100	-	-	-	-	1,349
97000	Bayview Ave - Hwy 407 to 16th Ave (Class EA)	1,118	-	110	280	-	-	-	-	1,508
97010	Bloomington Rd - Yonge St to Bayview Ave (Construction)	3,106	-	1,425	9,100	1,800	-	-	-	15,431
97080	Bloomington Rd - Bayview Ave to Hwy 404	2,155	2,083	8,250	2,075	1,765	-	-	-	16,328
97100	St John's Sdrd - Bayview Ave to Woodbine Ave (Pre-Construction)	935	697	1,055	-	-	-	-	-	2,687
97120	Stouffville Rd - Hwy 404 to Warden Ave	4,179	4,977	6,065	3,580	-	-	-	-	18,801
97150A	Leslie St - Bethesda Sdrd to Bloomington Rd (Class EA)	-	-	200	3,460	-	-	-	-	3,660
98170	Hwy 7 - Rouge River to Verclaire Gate	3,830	1,055	2,575	9,485	-	-	-	-	16,945
98210	14th Ave - 9th Line to Reesor Rd incl. Connect to Markham Scarb. Link (Class EA)	585	-	135	135	-	-	-	-	855
98340	19th Ave - Yonge St to Bayview Ave	8,825	-	-	5,990	-	-	-	-	14,815
98570	Langstaff Rd - Hwy 50 to Hwy 27	8,988	4,935	1,085	-	-	-	-	-	15,008



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
98670	Warden Ave - 16th Ave to Major Mackenzie Dr	1,486	4,740	6,420	1,000	-	-	-	-	13,646
98680	*Woodbine Ave - Major Mackenzie Dr to 19th Ave	8,158	6,050	7,800	-	-	-	-	-	22,008
98700	Donald Cousens Parkway Extension to Morningside Ave (Pre-Construction)	1,116	57	100	1,573	1,473	-	-	-	4,319
98960	Kennedy Rd - Hwy 407 to Hwy 7 (Class EA)	655	-	175	-	250	-	-	-	1,080
99210	Bayview Ave - Bloomington Rd to Wellington St (Class EA)	616	-	300	300	-	-	-	-	1,216
99530	Bloomington Rd - Yonge St to Bathurst St	2,291	1,787	1,000	7,295	1,065	-	-	-	13,438
99540	Langstaff Rd - Dufferin St to Keele St (Class EA)	795	210	-	420	-	-	-	-	1,425
99550	McCowan Rd - Steeles Ave to 14th Ave (Class EA)	640	-	90	90	470	-	-	-	1,290
99780	McCowan Rd - 14th Ave to Bullock Dr (Class EA)	70	-	185	185	470	-	-	-	910
99890	Intelligent Transportation Systems (ITS)	5,097	1,464	2,791	-	-	-	-	-	9,352
99900	Fleet New Additions	5,045	430	175	-	-	-	-	-	5,650
Sub Total Growth/Expansion		204,649	82,195	101,409	79,257	34,187	9,530	3,250	1,000	515,477
Enhancement/Improvement										
82610	Regional Forest Property Upgrade	315	60	120	-	-	-	-	-	495
85830	Retrofit Noise Mitigation	250	50	50	-	-	-	-	-	350
Sub Total Enhancement/Improvement		565	110	170	-	-	-	-	-	845
Total Tangible Capital Assets		312,803	99,875	114,192	80,586	34,187	9,530	3,250	1,000	655,423
Non-Tangible Capital Assets										



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Rehabilitation/Replacement										
80105	Pavement Marking Program	-	-	2,500	-	-	-	-	-	2,500
80570	Tree Planting on Region Rights of Way	2,352	500	700	-	-	-	-	-	3,552
83920	Traffic Safety Program Improvements	425	100	100	-	-	-	-	-	625
97230	Pavement Management Study - System Maintenance	1,121	130	150	-	-	-	-	-	1,401
99870	Various Railway Crossing Improvements	2,206	500	850	-	-	-	-	-	3,556
	Sub Total Rehabilitation/Replacement	6,104	1,230	4,300	-	-	-	-	-	11,634
Growth/Expansion										
39910	Misc. Design & Survey for Future Projects	12,547	1,200	1,200	-	-	-	-	-	14,947
80430	Regional Streetscaping	10,039	1,318	1,318	-	-	-	-	-	12,675
81360	Hwy 427 Arterial Extension to Zenway Blvd	9,190	-	57	-	-	-	-	-	9,247
82680	Hwy 404 Crossing north of Hwy 7 (Pre-Construction)	1,745	100	100	-	-	-	-	-	1,945
83470	Mid York East-West Transportation Study (King Bypass)	190	-	20	-	-	-	-	-	210
83480	Transportation Master Plan Update	400	50	350	300	150	-	-	-	1,250
83490	Smart Commute Initiative	1,200	200	200	-	-	-	-	-	1,600
83830	Ontarians with Disabilities Act (ODA) Compliance	580	-	250	-	-	-	-	-	830
84940	Pedestrian and Cycling Program	500	500	500	-	-	-	-	-	1,500
85120	Donald Cousens Parkway from Hwy 407 to Box Grove By-Pass	-	-	15,000	-	-	-	-	-	15,000
85800	Pedestrian and Cycling Master Plan	700	50	50	-	-	-	-	-	800



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
85810	Arterial Corridor Transportation Studies	750	250	250	-	-	-	-	-	1,250
86730	Highway 404 Interchange at Doane Road (Construction Phase 1)	3,440	3,220	2,230	5,010	-	-	-	-	13,900
86880	Pedestrian/Cycling Municipal Partnership Program	500	500	500	-	-	-	-	-	1,500
Sub Total Growth/Expansion		41,781	7,388	22,025	5,310	150	-	-	-	76,654
Total Non-Tangible Capital Assets		47,885	8,618	26,325	5,310	150	-	-	-	88,288
TOTAL GROSS EXPENDITURES		360,689	108,493	140,517	85,896	34,337	9,530	3,250	1,000	743,712



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
FINANCING SOURCES										
Regional Sources										
	Developer Up-Front Financing	7,415	6,050	-	-	-	-	-	-	13,465
	Development Charges	111,539	65,484	105,393	71,581	29,136	7,425	2,217	660	393,435
	Development Charges Committed	7,001	-	-	-	-	-	-	-	7,001
	Other Revenues	117	-	-	-	-	-	-	-	117
	Reserve: Current Tax Levy	163,186	32,865	32,249	13,440	5,201	2,105	1,033	340	250,419
	Reserve: General Capital	470	-	-	-	-	-	-	-	470
	Reserve: Land Securement	2,668	1,000	200	-	-	-	-	-	3,868
	Reserve: Prior Year Tax Levy	4,004	-	-	-	-	-	-	-	4,004
	Reserve: Vehicle Replacement	7,801	1,225	1,225	-	-	-	-	-	10,251
	Sub Total Regional Sources	304,201	106,624	139,067	85,021	34,337	9,530	3,250	1,000	683,030
External Sources										
	Federal Funding	500	-	-	-	-	-	-	-	500
	Municipal/Local	7,541	1,369	1,450	875	-	-	-	-	11,235
	Other Recoveries	1,257	500	-	-	-	-	-	-	1,757
	Provincial Funding	2,919	-	-	-	-	-	-	-	2,919
	Sub Total External Sources	12,218	1,869	1,450	875	-	-	-	-	16,412
	TOTAL AVAILABLE FINANCING	316,419	108,493	140,517	85,896	34,337	9,530	3,250	1,000	699,442
	TOTAL DEBENTURE REQUIREMENTS	44,270	-	-	-	-	-	-	-	44,270
	TOTAL FINANCING SOURCES	360,689	108,493	140,517	85,896	34,337	9,530	3,250	1,000	743,712



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
	DEBENTURE REPAYMENT SOURCES	44,270	-	-	-	-	-	-	-	44,270
	Prior Years									
	TOTAL DEBENTURE REQUIREMENTS	44,270	-	-	-	-	-	-	-	44,270



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
78500	Water General	-	744	806	-	-	-	-	-	1,550
78510	Surface Water Treatment	-	276	2,964	-	-	-	-	-	3,240
78511	Ground Water Treatment	-	615	227	-	-	-	-	-	842
78512	Pumping Water	-	538	1,737	-	-	-	-	-	2,275
78514	Storage Elevated Tank	-	409	811	-	-	-	-	-	1,220
78516	Storage Reservoir	-	578	1,442	-	-	-	-	-	2,020
78517	Meter Chamber Water	-	222	158	-	-	-	-	-	380
78519	Transmission Main	-	441	2,000	-	-	-	-	-	2,441
78540	Supervisory Control and Data Acquisition (SCADA) Communication Network Water	-	150	430	-	-	-	-	-	580
78563	Technology Integration Water	-	240	20	-	-	-	-	-	260
	Sub Total Rehabilitation/Replacement	-	4,213	10,595	-	-	-	-	-	14,808
Growth/Expansion										
70050	Leslie St. Watermain (WM)	631	9,061	1,709	-	-	-	-	3,588	14,989
70120	Orchard Heights Pumping Station (PS) and Kirby Pumping Station (PS) Upgrade	1,163	-	1,059	912	3,825	2,520	-	-	9,479
71180	Queensville Elevated Tank No. 1	3,901	-	3,079	2,624	-	-	-	-	9,604
71200	New Production Well-Mount Albert Well 3	4,409	1,223	671	-	-	-	-	-	6,303

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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
72170	Georgina Water Supply (GWS)-Keswick North Elevated Tank (ET) and Connecting Watermain to Woodbine Av	798	-	6,437	1,474	-	-	-	-	8,709
72180	Georgina Water Supply (GWS) - Woodbine and Ravenshoe Watermain (WM) (Church St-Keswick Tank)	6,305	11,420	4,002	560	-	-	-	-	22,287
72200	Georgina Water Supply (GWS) - Sutton Water Servicing	104	150	600	-	-	-	-	-	854
72450	Aurora Elevated Tank (related to project 70050)	110	310	145	1,310	8,018	-	-	-	9,893
72490	East Gwillimbury Water Meter Chambers	770	-	110	-	-	-	-	-	880
72500	ISF Georgina Water Supply (GWS) Georgina Water Treatment Plant (WTP) Phase 2	7,200	-	970	15	-	-	-	-	8,185
72510	York Water System Security	-	-	250	-	-	-	-	-	250
72520	PD6 Nashville Road Watermain-Huntington to the Kleinburg Elevated Tank	-	-	10	-	-	-	-	-	10
73160	Nobleton - Additional Water Supply and Watermain (WM) to Town	4,557	3,956	1,173	734	-	-	-	-	10,420
73210	King City Elevated Tank and Watermain (WM) from Elevated Tank (ET) to town	4,348	2,016	621	-	-	-	-	-	6,985
73580	Toronto Cost Shared Work - 2005 Water Supply Agreement	62,200	60,729	57,550	48,047	56,960	51,071	39,914	122,687	499,158
73790	Peel Water Supply - Cost-Shared Work	201,828	97,565	47,027	72,000	60,000	60,000	60,000	106,000	704,420
74210	PD6 Markham Bypass	1,922	-	6,864	5,328	-	-	-	-	14,114
74260	Toronto Supply - Kennedy Watermain (WM) - Milliken (PS) to Major Mack	5,199	18,699	-	31,827	15,000	-	-	-	70,725
75390	PD5 Huntington WM and Reservoir	-	11	590	-	-	-	-	-	601
75400	PD8 West Richmond Hill (RH) Pumping Station (PS) and Watermain	-	211	491	-	-	-	-	-	702



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
75420	PD7 Maple Pumping Station (PS) Upgrade and Flowmeter	-	180	1,915	898	4	3	-	-	3,000
75440	Yonge to Woodspring Watermain (WM)	-	11	10	-	-	-	-	-	21
75450	Glenway Reservoir Expansion	-	11	302	-	-	-	-	-	313
75460	Yonge Street Watermain from Gladman to Green Lane	-	11	268	-	-	-	-	-	279
75480	Newmarket West Yonge Elevated Tank (ET) and Yonge Watermain (WM)	-	10	49	-	-	-	-	-	59
75490	Bathurst/Green Lane/ Yonge Watermain	-	11	222	-	-	-	-	-	233
75510	Second Concession Watermain	-	79	10	-	-	-	-	-	89
75530	PD7 Vaughan Watermain and Reservoir	-	11	149	-	-	-	-	-	160
75590	Wellington Reservoir and Watermain	-	-	70	-	-	-	-	-	70
75620	Richmond Hill (Pugsley) Pumping Station (PS) Capacity Upgrade	-	-	320	-	-	-	-	-	320
76120	PD7 Elgin Mills (Enford to Bayview)	203	250	1,073	4,837	1,725	-	-	-	8,088
76290	Bathurst Watermain (WM) (Elgin Mills Rd. to N Richmond Hill Reservoir & Gamble Rd. to Jefferson Rese	860	7,508	3,976	1,624	-	-	-	-	13,968
76300	N. Richmond Hill Elevated Tank (ET) No. 2 and Yonge Vandorf Bloomington Bayview Watermain (WM)	5,860	6,075	7,503	4,317	8,171	11,545	11,076	-	54,547
77480	Kleinburg - Additional Water Supply watermain	7,076	13,279	-	2,069	-	-	-	-	22,424
Sub Total Growth/Expansion		319,444	232,787	149,225	178,576	153,703	125,139	110,990	232,275	1,502,139
Enhancement/Improvement										
75610	ISF Water and Wastewater Instrumentation and Control Equipment	1,100	165	245	-	-	-	-	-	1,510



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Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Sub Total	Enhancement/Improvement	1,100	165	245	-	-	-	-	-	1,510
Total	Tangible Capital Assets	320,544	237,165	160,065	178,576	153,703	125,139	110,990	232,275	1,518,457
Non-Tangible Capital Assets										
Growth/Expansion										
71260	Decommission Sharon Elevated Tank	115	-	10	-	-	-	-	-	125
72150	Water Conservation Authority (CA) Joint Ground Water Initiative	8,340	2,133	2,091	-	-	-	-	-	12,564
72390	Water for Tomorrow Program	5,175	4,381	4,205	-	-	-	-	-	13,761
73300	Water Master Plan Update	1,085	-	159	-	-	-	-	-	1,244
73780	Peel Water Supply - "Buy-in" Payments	34,928	-	17,464	-	-	-	-	-	52,392
73890	Source Water Protection	4,629	-	233	-	-	-	-	-	4,862
74170	Decommission of Wooten Way Elevated tank	225	-	598	-	-	-	-	-	823
74220	Decommission Markham Pumping Station (PS)	-	-	20	-	-	-	-	-	20
79670	Water System Capacity Assessment	10,386	-	50	-	-	-	-	-	10,436
Sub Total	Growth/Expansion	64,884	6,514	24,830	-	-	-	-	-	96,228
Enhancement/Improvement										
73610	Transmission Operations Optimizer	3,683	1,354	931	610	-	-	-	-	6,578
73920	Capital Delivery Process Improvements - Water	1,901	200	250	-	-	-	-	-	2,351
75540	Water Model Calibration	-	100	150	-	-	-	-	-	250
Sub Total	Enhancement/Improvement	5,585	1,654	1,331	610	-	-	-	-	9,180



2011 Business Plan and Budget
Environmental Services
Water Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Total	Non-Tangible Capital Assets	70,469	8,168	26,161	610	-	-	-	-	105,408
TOTAL GROSS EXPENDITURES		391,012	245,333	186,226	179,186	153,703	125,139	110,990	232,275	1,623,864
FINANCING SOURCES										
Regional Sources										
	Committed Non Growth User Rate	1,626	-	-	-	-	-	-	-	1,626
	Contribution from Operating	13,837	7,862	6,142	610	-	-	-	-	28,451
	Developer Up-Front Financing	3,827	978	537	-	-	-	-	-	5,342
	Development Charges	64,341	40,492	33,441	22,518	14,318	2,520	-	3,588	181,218
	Development Charges Committed	2,232	-	-	-	-	-	-	-	2,232
	Reserve: Capital Replacement	7,384	2,448	8,603	-	-	-	-	-	18,435
	Sub Total Regional Sources	93,247	51,780	48,723	23,128	14,318	2,520	-	3,588	237,304
External Sources										
	Federal Funding	2,767	-	-	-	-	-	-	-	2,767
	Municipal/Local	3	-	-	-	-	-	-	-	3
	Other Recoveries	28	-	-	-	-	-	-	-	28
	Provincial Funding	4,467	-	-	-	-	-	-	-	4,467
	Sub Total External Sources	7,265	-	-	-	-	-	-	-	7,265
	TOTAL AVAILABLE FINANCING	100,512	51,780	48,723	23,128	14,318	2,520	-	3,588	244,569
	TOTAL DEBENTURE REQUIREMENTS	290,500	193,553	137,503	156,058	139,385	122,619	110,990	228,687	1,379,295
	TOTAL FINANCING SOURCES	391,012	245,333	186,226	179,186	153,703	125,139	110,990	232,275	1,623,864



2011 Business Plan and Budget
 Environmental Services
 Water Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
	DEBENTURE REPAYMENT SOURCES	290,500	193,553	137,503	156,058	139,385	122,619	110,990	228,687	1,379,295
	TOTAL DEBENTURE REQUIREMENTS	290,500	193,553	137,503	156,058	139,385	122,619	110,990	228,687	1,379,295



2011 Business Plan and Budget
Environmental Services
Wastewater Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
75570	Existing Odour Control Facility (OCF) Modification Work	-	-	3,785	2,025	-	-	-	-	5,810
76340	York Durham Sewage System (YDSS) Duffin Creek Water Pollution Control Plant (WPCP) Upgrade	4,850	-	2,770	-	-	-	-	-	7,620
78531	Pumping Wastewater	-	2,093	6,985	-	-	-	-	-	9,078
78533	Wastewater Treatment	-	1,043	1,000	-	-	-	-	-	2,043
78534	Meter Chamber Wastewater	-	405	700	-	-	-	-	-	1,105
78536	Trunk Sewer	-	1,678	1,000	-	-	-	-	-	2,678
78537	Trunk Forcemain	-	190	300	-	-	-	-	-	490
78538	Odour Control	-	125	2,775	-	-	-	-	-	2,900
78550	Supervisory Control and Data Acquisition (SCADA) Communication Network Wastewater	-	145	535	-	-	-	-	-	680
78573	Technology Integration Wastewater	-	60	60	-	-	-	-	-	120
78574	Technology Development & Implementation Wastewater	-	331	100	-	-	-	-	-	431
79850	York Durham Sewage System (YDSS) Duffin Creek Minor Capital	45,339	1,650	1,900	-	-	-	-	-	48,889
Sub Total Rehabilitation/Replacement		50,189	7,720	21,910	2,025	-	-	-	-	81,844
Growth/Expansion										



2011 Business Plan and Budget
Environmental Services
Wastewater Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
71220	Queensville/Holland Landing/Sharon York Durham Sewage System (YDSS) Connection	17,116	19,500	-	50,684	25,200	-	-	-	112,500
72230	Joe Dales Force mains & Pumping Station (PS) Upgrades	4,695	8,070	5,803	585	-	-	-	-	19,153
72240	Keswick Water Pollution Control Plant (WPCP) Expansion	17,637	18,440	12,703	21,105	5,000	-	-	-	74,885
72530	Duffin Creek Stages 1 & 2 Upgrade and Refurbishment	-	6,200	21,200	40,200	35,150	38,150	33,100	27,050	201,050
73720	York Durham Sewage System (YDSS)	367,925	155,585	55,442	7,748	-	-	-	-	586,700
74030	Duffin Creek Water Pollution Control Plant (WPCP) (Phase 3) Expansion	96,043	-	1,500	1,800	550	550	-	-	100,443
74040	~York Durham Sewage System (YDSS) 16th Ave Trunk (Stone Mason-Woodbine) York Durham Sewage System (YDSS) Southeast Collector	62,033	159,172	-	82,173	126,836	105,507	6,618	3,748	546,087
74270A	Upper York Sewage Solutions (Pre-Construction)	5,290	950	6,425	6,425	4,000	-	-	-	23,090
75300A	West Vaughan Sewage Servicing (Pre-Construction)	-	586	1,200	1,700	-	-	-	-	3,486
75310	East Vaughan Trunk Sewer	-	-	10	-	-	-	-	-	10
75320A	Primary Trunk Sewer Study (Pre-Construction)	-	-	31	1,121	701	1,220	-	-	3,073
75330	Green Lane Sewer Diversion	-	144	10	-	-	-	-	-	154
75350	Sharon Trunk Sewer	-	10	10	-	-	-	-	-	20
77090	York Durham Sewage System (YDSS) Langstaff Trunk	39,696	-	-	-	-	-	180	-	39,876
77470	Kleinburg Water Pollution Control Plant (WPCP) Expansion/Extension of YDSS	10,702	14,336	2,550	2,110	9	-	-	-	29,707
79740	Peel System Cost Shared Works	57,104	6,335	-	4,060	3,645	2,385	7,000	22,560	103,089



2011 Business Plan and Budget
Environmental Services
Wastewater Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
79890	York Durham Sewage System (YDSS) -Leslie Pumping Station (PS) Upgrade	7,442	1,903	-	2,689	7,043	3,974	-	-	23,051
Sub Total	Growth/Expansion	685,684	391,231	106,884	222,400	208,134	151,786	46,898	53,358	1,866,375
Total	Tangible Capital Assets	735,873	398,951	128,794	224,425	208,134	151,786	46,898	53,358	1,948,219
Non-Tangible Capital Assets										
Growth/Expansion										
75640	Wastewater System Capacity Studies	-	-	30	-	-	-	-	-	30
79100	Wastewater Master Plan Update	2,026	-	100	-	-	-	-	-	2,126
Sub Total	Growth/Expansion	2,026	-	130	-	-	-	-	-	2,156
Enhancement/Improvement										
73690	Capital Delivery Process Improvements - Wastewater	2,135	150	290	-	-	-	-	-	2,575
75380	Wastewater Model Calibration	-	100	120	-	-	-	-	-	220
79470	Wastewater (WW) Conservation Authority (CA) Joint Initiative	5,377	1,709	1,608	-	-	-	-	-	8,694
Sub Total	Enhancement/Improvement	7,512	1,959	2,018	-	-	-	-	-	11,489
Total	Non-Tangible Capital Assets	9,537	1,959	2,148	-	-	-	-	-	13,644
TOTAL	GROSS EXPENDITURES	745,410	400,910	130,942	224,425	208,134	151,786	46,898	53,358	1,961,863



2011 Business Plan and Budget
Environmental Services
Wastewater Services
2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
FINANCING SOURCES										
Regional Sources										
	Committed Non Growth User Rate	1,680	-	-	-	-	-	-	-	1,680
	Contribution from Operating	19,794	9,818	15,503	-	-	-	-	-	45,115
	Developer Up-Front Financing	48,819	19,500	-	50,684	25,200	-	144	-	144,347
	Development Charges	51,196	16,140	2,650	5,384	7,052	3,974	-	-	86,396
	Development Charges Committed	3,867	-	-	-	-	-	-	-	3,867
	Reserve: Capital Replacement	63,362	1,650	8,455	2,025	-	-	-	-	75,492
	Sub Total Regional Sources	188,718	47,108	26,608	58,093	32,252	3,974	144	-	356,897
External Sources										
	Federal Funding	-	15,045	30,090	-	-	-	-	-	45,135
	Other Recoveries	31,069	46,463	15,240	10,040	7,030	7,630	6,620	5,410	129,502
	Provincial Funding	-	15,045	-	-	-	-	-	-	15,045
	Sub Total External Sources	31,069	76,553	45,330	10,040	7,030	7,630	6,620	5,410	189,682
	TOTAL AVAILABLE FINANCING	219,787	123,661	71,938	68,133	39,282	11,604	6,764	5,410	546,579
	TOTAL DEBENTURE REQUIREMENTS	525,623	277,249	59,004	156,292	168,852	140,182	40,134	47,948	1,415,284
	TOTAL FINANCING SOURCES	745,410	400,910	130,942	224,425	208,134	151,786	46,898	53,358	1,961,863



2011 Business Plan and Budget
Environmental Services
Wastewater Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
DEBENTURE REPAYMENT SOURCES										
	Prior Years	197,950	-	-	-	-	-	-	-	197,950
	Development Charges	264,490	248,193	50,527	142,239	157,243	127,669	29,277	39,076	1,058,714
	User Rates	63,183	29,056	8,477	14,053	11,609	12,513	10,857	8,872	158,620
TOTAL DEBENTURE REQUIREMENTS		525,623	277,249	59,004	156,292	168,852	140,182	40,134	47,948	1,415,284



2011 Business Plan and Budget
Environmental Services
Solid Waste Management
2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
	Rehabilitation/Replacement									
73455	Equipment Upgrades/Replacement - Public Drop-off	-	20	6	-	-	-	-	-	26
75585	ISF Equipment Upgrades	7,600	-	400	-	-	-	-	-	8,000
	Sub Total Rehabilitation/Replacement	7,600	20	406	-	-	-	-	-	8,026
	Growth/Expansion									
71285	Community Environ. Ctr. - Georgina Transfer Stn #3	200	1,600	3,555	-	-	-	-	-	5,355
76335	ISF Community Environ. Ctr - Elgin Mills Road	12,500	-	2,000	-	-	-	-	-	14,500
	Sub Total Growth/Expansion	12,700	1,600	5,555	-	-	-	-	-	19,855
	Enhancement/Improvement									
71325	Energy From Waste Facility	4,000	10,000	-	17,000	20,000	17,300	-	-	68,300
71335	Source Separated Organics Facility	4,600	9,300	-	1,000	11,548	20,462	-	-	46,910
	Sub Total Enhancement/Improvement	8,600	19,300	-	18,000	31,548	37,762	-	-	115,210
	Total Tangible Capital Assets	28,900	20,920	5,961	18,000	31,548	37,762	-	-	143,091
Non-Tangible Capital Assets										
	Enhancement/Improvement									
70195	Solid Waste Master Plan	1,350	-	-	500	-	-	-	-	1,850
	Sub Total Enhancement/Improvement	1,350	-	-	500	-	-	-	-	1,850



2011 Business Plan and Budget
Environmental Services
Solid Waste Management
2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
	Total Non-Tangible Capital Assets	1,350	-	-	500	-	-	-	-	1,850
	TOTAL GROSS EXPENDITURES	30,250	20,920	5,961	18,500	31,548	37,762	-	-	144,941
	FINANCING SOURCES									
	Regional Sources									
	Reserve: General Capital	7,783	-	400	-	-	-	-	-	8,183
	Reserve: Solid Waste	4,300	1,620	5,561	500	-	-	-	-	11,981
	Sub Total Regional Sources	12,083	1,620	5,961	500	-	-	-	-	20,164
	External Sources									
	Federal Funding	5,784	-	-	-	-	-	-	-	5,784
	Provincial Funding	5,783	-	-	-	-	-	-	-	5,783
	Sub Total External Sources	11,567	-	-	-	-	-	-	-	11,567
	TOTAL AVAILABLE FINANCING	23,650	1,620	5,961	500	-	-	-	-	31,731
	TOTAL DEBENTURE REQUIREMENTS	6,600	19,300	-	18,000	31,548	37,762	-	-	113,210
	TOTAL FINANCING SOURCES	30,250	20,920	5,961	18,500	31,548	37,762	-	-	144,941
	DEBENTURE REPAYMENT SOURCES									
	Prior Years	1,600	-	-	-	-	-	-	-	1,600
	Tax Levy	5,000	19,300	-	18,000	31,548	37,762	-	-	111,610
	TOTAL DEBENTURE REQUIREMENTS	6,600	19,300	-	18,000	31,548	37,762	-	-	113,210



2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services
2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
54490	Pefferlaw Station	1,000	175	125	-	-	-	-	-	1,300
54520	EMS Vehicles - Replacement	10,201	2,241	2,608	-	-	-	-	-	15,050
54590	Markham Station - 280 Church	-	800	1,200	-	-	-	-	-	2,000
54600	Medical Equipment Replacement	-	166	1,060	-	-	-	-	-	1,226
54625	EMS Security System Upgrade	-	-	390	-	-	-	-	-	390
54640	Newmarket Northwest Station	-	-	400	1,110	-	-	-	-	1,510
54645	Newmarket Southeast Station	-	-	400	1,110	-	-	-	-	1,510
	Sub Total Rehabilitation/Replacement	11,201	3,382	6,183	2,220	-	-	-	-	22,986
Growth/Expansion										
54301	EMS Vehicles - New	-	-	225	-	-	-	-	-	225
54510	Vaughan Station - Maple Teston Rd	1,050	-	260	-	-	-	-	-	1,310
54580	Vaughan-West Woodbridge	-	250	825	-	-	-	-	-	1,075
	Sub Total Growth/Expansion	1,050	250	1,310	-	-	-	-	-	2,610
Enhancement/Improvement										
54630	Multi-Patient Ambulance	-	100	900	-	-	-	-	-	1,000
54635	Ambulance Tail-Lift Retrofit	-	-	360	360	-	-	-	-	720
	Sub Total Enhancement/Improvement	-	100	1,260	360	-	-	-	-	1,720



2011 Business Plan and Budget
Community and Health Services
Emergency Medical Services
2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
Total	Tangible Capital Assets	12,251	3,732	8,753	2,580	-	-	-	-	27,316
TOTAL GROSS EXPENDITURES		12,251	3,732	8,753	2,580	-	-	-	-	27,316
FINANCING SOURCES										
Regional Sources										
	Development Charges	341	-	135	-	-	-	-	-	476
	Other Revenues	313	68	-	-	-	-	-	-	381
	Reserve: Current Tax Levy	5,636	1,578	3,088	-	-	-	-	-	10,302
	Reserve: General Capital	-	100	1,420	360	-	-	-	-	1,880
Sub Total Regional Sources		6,290	1,746	4,643	360	-	-	-	-	13,039
External Sources										
	Provincial Funding	3,911	661	-	-	-	-	-	-	4,572
Sub Total External Sources		3,911	661	-	-	-	-	-	-	4,572
TOTAL AVAILABLE FINANCING		10,201	2,407	4,643	360	-	-	-	-	17,611
TOTAL DEBENTURE REQUIREMENTS		2,050	1,325	4,110	2,220	-	-	-	-	9,705
TOTAL FINANCING SOURCES		12,251	3,732	8,753	2,580	-	-	-	-	27,316
DEBENTURE REPAYMENT SOURCES										
	Development Charges	269	1,106	367	-	-	-	-	-	1,742
	Tax Levy	1,781	219	3,743	2,220	-	-	-	-	7,963
TOTAL DEBENTURE REQUIREMENTS		2,050	1,325	4,110	2,220	-	-	-	-	9,705



2011 Business Plan and Budget
Community and Health Services
Long Term Care

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
55244	Operational Equipment	330	165	165	-	-	-	-	-	660
55245	Resident Beds	406	203	203	-	-	-	-	-	812
59405	LTC Act/Regulations Compliance (Newmarket Health Centre/Maple Health Centre)	-	-	400	-	-	-	-	-	400
59410	Office Standardization (Newmarket Health Centre/Maple Health Centre)	-	-	300	25	25	-	-	-	350
59415	LTC/Day Centres/Alternative Community Living (ACL) - Interior Decor	-	-	217	248	198	-	-	-	663
59420	Kitchen Upgrades (Newmarket Health Centre/Maple Health Centre)	-	-	193	157	-	-	-	-	350
59430	Conversion of Former Smoking Rooms (Newmarket)	-	-	100	-	-	-	-	-	100
Sub Total Rehabilitation/Replacement		736	368	1,578	430	223	-	-	-	3,335
Enhancement/Improvement										
55192	Exterior Pavilion - Newmarket Health Centre	100	-	50	-	-	-	-	-	150
59425	Newmarket Health Centre Parking/Maple Health Centre Driveway	-	-	150	250	150	-	-	-	550
Sub Total Enhancement/Improvement		100	-	200	250	150	-	-	-	700
Total Tangible Capital Assets		836	368	1,778	680	373	-	-	-	4,035
TOTAL GROSS EXPENDITURES		836	368	1,778	680	373	-	-	-	4,035



2011 Business Plan and Budget
Community and Health Services
Long Term Care

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
FINANCING SOURCES										
Regional Sources										
	Other Revenues	40	-	-	-	-	-	-	-	40
	Reserve: General Capital	796	368	1,778	680	373	-	-	-	3,995
	Sub Total Regional Sources	836	368	1,778	680	373	-	-	-	4,035
	TOTAL AVAILABLE FINANCING	836	368	1,778	680	373	-	-	-	4,035
	TOTAL FINANCING SOURCES	836	368	1,778	680	373	-	-	-	4,035
	DEBENTURE REPAYMENT SOURCES									
	TOTAL DEBENTURE REQUIREMENTS									



2011 Business Plan and Budget
Community and Health Services
Housing Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Growth/Expansion										
67913	Delivering Opportunities for Ontario Renters (DOOR) Projects	2,940	14,745	4,708	-	-	-	-	-	22,394
67915	Kingsview Court - King Township	1,298	6,543	2,179	-	-	-	-	-	10,020
67916	Housing York Inc. Woodbridge Site Intensification	-	2,390	24,636	16,886	-	-	-	-	43,912
67917	Essex Richmond Hill	-	6,310	31,947	-	-	-	-	-	38,257
67918	Women's Shelter Newmarket	-	2,171	2,829	-	-	-	-	-	5,000
67920	Regional Housing Initiatives	-	-	45,021	-	-	-	-	-	45,021
Sub Total Growth/Expansion		4,238	32,159	111,320	16,886	-	-	-	-	164,604
Total Tangible Capital Assets		4,238	32,159	111,320	16,886	-	-	-	-	164,604
Non-Tangible Capital Assets										
Growth/Expansion										
67510	Pre-Development Costs	594	80	80	-	-	-	-	-	754
Sub Total Growth/Expansion		594	80	80	-	-	-	-	-	754
Total Non-Tangible Capital Assets		594	80	80	-	-	-	-	-	754
TOTAL GROSS EXPENDITURES		4,832	32,239	111,400	16,886	-	-	-	-	165,358



2011 Business Plan and Budget
Community and Health Services
Housing Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
FINANCING SOURCES										
Regional Sources										
	Other Revenues	-	2,171	-	-	-	-	-	-	2,171
	Reserve: Current Tax Levy	-	-	-	-	-	-	-	-	-
	Reserve: Social Housing	2,633	16,745	11,771	(7,622)	-	-	-	-	23,527
	Sub Total Regional Sources	2,633	18,916	11,771	(7,622)	-	-	-	-	25,699
External Sources										
	Federal Funding	5	7,223	11,100	3,900	-	-	-	-	22,228
	Provincial Funding	2,194	6,100	64,007	3,900	-	-	-	-	76,201
	Sub Total External Sources	2,199	13,323	75,107	7,800	-	-	-	-	98,429
	TOTAL AVAILABLE FINANCING	4,832	32,239	86,878	178	-	-	-	-	124,128
	TOTAL DEBENTURE REQUIREMENTS	-	-	24,522	16,708	-	-	-	-	41,230
	TOTAL FINANCING SOURCES	4,832	32,239	111,400	16,886	-	-	-	-	165,358
DEBENTURE REPAYMENT SOURCES										
	Region Of York Housing	-	-	18,699	-	-	-	-	-	18,699
	Other	-	-	5,823	16,708	-	-	-	-	22,531
	TOTAL DEBENTURE REQUIREMENTS	-	-	24,522	16,708	-	-	-	-	41,230



2011 Business Plan and Budget
Community and Health Services
Public Health Services
2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Growth/Expansion										
52000	Infectious Disease Control (IDC) Consolidation	-	-	300	-	-	-	-	-	300
Sub Total Growth/Expansion		-	-	300	-	-	-	-	-	300
Total Tangible Capital Assets		-	-	300	-	-	-	-	-	300
TOTAL GROSS EXPENDITURES		-	-	300	-	-	-	-	-	300
FINANCING SOURCES										
Regional Sources										
Development Charges		-	-	300	-	-	-	-	-	300
Sub Total Regional Sources		-	-	300	-	-	-	-	-	300
TOTAL AVAILABLE FINANCING		-	-	300	-	-	-	-	-	300
TOTAL FINANCING SOURCES		-	-	300	-	-	-	-	-	300
DEBENTURE REPAYMENT SOURCES										
TOTAL DEBENTURE REQUIREMENTS										



2011 Business Plan and Budget

Finance Department

Information Technology Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
16660	Enterprise Architecture	1,333	285	1,085	-	-	-	-	-	2,703
16670	Data Centre Facilities	1,576	2,000	1,500	-	-	-	-	-	5,076
16859	Security	835	665	186	-	-	-	-	-	1,686
16895	IT Equipment - 3YR Life (Printers/PC's)	11,737	5,629	2,185	-	-	-	-	-	19,551
	Sub Total Rehabilitation/Replacement	15,481	8,579	4,956	-	-	-	-	-	29,016
Growth/Expansion										
16690	eDocs Document Mgmt	3,503	500	350	-	-	-	-	-	4,353
16891	Mobile Computing	325	-	250	-	-	-	-	-	575
	Sub Total Growth/Expansion	3,828	500	600	-	-	-	-	-	4,928
Enhancement/Improvement										
16800	Business Intelligence (ERP)	915	332	900	-	-	-	-	-	2,147
16816	Customer Relationship Management (CRM) Solutions	400	-	600	-	-	-	-	-	1,000
	Sub Total Enhancement/Improvement	1,315	332	1,500	-	-	-	-	-	3,147
	Total Tangible Capital Assets	20,624	9,411	7,056	-	-	-	-	-	37,091
	TOTAL GROSS EXPENDITURES	20,624	9,411	7,056	-	-	-	-	-	37,091



2011 Business Plan and Budget

Finance Department

Information Technology Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
FINANCING SOURCES										
Regional Sources										
	Reserve: Capital Replacement	4,652	4,954	2,977	-	-	-	-	-	12,583
	Reserve: Computer Software Acquisition	1,000	675	479	-	-	-	-	-	2,154
	Reserve: General Capital	14,972	3,782	1,500	-	-	-	-	-	20,254
	Reserve: IT Development	-	-	2,100	-	-	-	-	-	2,100
	Sub Total Regional Sources	20,624	9,411	7,056	-	-	-	-	-	37,091
	TOTAL AVAILABLE FINANCING	20,624	9,411	7,056	-	-	-	-	-	37,091
	TOTAL FINANCING SOURCES	20,624	9,411	7,056	-	-	-	-	-	37,091
	DEBENTURE REPAYMENT SOURCES									
	TOTAL DEBENTURE REQUIREMENTS									



2011 Business Plan and Budget
Corporate Services
Property Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Growth/Expansion										
14722	Master Accommodation Plan (MAP) Implementation - Development of 3 new Southern Service Centres	-	100	12,000	-	-	-	-	-	12,100
14755	Security & Life Safety Projects	601	-	220	-	-	-	-	-	821
14780	Central Service Centre - Pre Construction	4,163	2,192	1,466	986	505	-	-	-	9,312
14782	Central Service Centre - North/South Parking Lot Construction	-	-	21,000	-	-	-	-	-	21,000
Sub Total Growth/Expansion		4,764	2,292	34,686	986	505	-	-	-	43,233
Enhancement/Improvement										
14702	Energy Retrofits - Various Existing Buildings	2,554	841	380	-	-	-	-	-	3,775
14751	Energy Initiatives	-	210	1,500	-	-	-	-	-	1,710
14800	Energy & Environmental Management System	366	-	260	-	-	-	-	-	626
14810	Property Services Branch (PSB) - Technology	1,270	-	156	-	-	-	-	-	1,426
14835	Audio-visual (AV) Equipment & Events	1,221	155	265	-	-	-	-	-	1,641
Sub Total Enhancement/Improvement		5,411	1,206	2,561	-	-	-	-	-	9,178
Total Tangible Capital Assets		10,175	3,498	37,247	986	505	-	-	-	52,411
Non-Tangible Capital Assets										
Rehabilitation/Replacement										



2011 Business Plan and Budget
Corporate Services
Property Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
14703	Corporate Services - Facilities Rehab & Repair	6,082	701	389	-	-	-	-	-	7,172
14704	Corporate Services - All Facilities Rehab & Repair	704	220	107	-	-	-	-	-	1,031
14706	Roads Facilities Rehab & Repair	165	143	423	-	-	-	-	-	731
14707	Solid Waste Facilities Rehab & Repair	77	33	79	-	-	-	-	-	189
14708	Water & Waste Water Facilities Rehab & Repair	3,354	415	450	-	-	-	-	-	4,219
14711	Employment & Financial Sppt Facilities Rehab & Repair	280	44	60	-	-	-	-	-	384
14712	Family & Child Services Facilities Rehab & Repair	427	125	136	-	-	-	-	-	688
14713	Long Term Care Facilities Rehab & Repair	634	310	1,453	-	-	-	-	-	2,397
14714	Public Health Facilities Rehab & Repair	289	110	107	-	-	-	-	-	506
14716	EMS Facilities Rehab & Repair	93	179	50	-	-	-	-	-	322
	Sub Total Rehabilitation/Replacement	12,105	2,280	3,253	-	-	-	-	-	17,638
	Growth/Expansion									
14855	Space Intensification Initiatives	3,036	871	3,231	-	-	-	-	-	7,138
	Sub Total Growth/Expansion	3,036	871	3,231	-	-	-	-	-	7,138
	Enhancement/Improvement									
14740	Ontario Disability Act (ODA)	681	150	240	-	-	-	-	-	1,071
14775	Property Services Branch (PSB) - General Capital (Corporate)	2,452	300	300	-	-	-	-	-	3,052
14860	Workplace Violence Risk Assessment (Bill 168)	-	-	220	-	-	-	-	-	220



2011 Business Plan and Budget
Corporate Services
Property Services

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
14870	Facility Safety Regulations (O.Reg. 851)	-	-	110	-	-	-	-	-	110
	Sub Total Enhancement/Improvement	3,133	450	870	-	-	-	-	-	4,453
	Total Non-Tangible Capital Assets	18,274	3,601	7,354	-	-	-	-	-	29,229
	TOTAL GROSS EXPENDITURES	28,449	7,099	44,601	986	505	-	-	-	81,640
	FINANCING SOURCES									
	Regional Sources									
	Other Revenues	24	-	-	-	-	-	-	-	24
	Reserve: Current Tax Levy	796	244	244	-	-	-	-	-	1,284
	Reserve: Facilities Management	20,884	3,892	6,660	-	-	-	-	-	31,436
	Reserve: General Capital	2,480	771	3,231	-	-	-	-	-	6,482
	Sub Total Regional Sources	24,184	4,907	10,135	-	-	-	-	-	39,226
	External Sources									
	Federal Funding	102	-	-	-	-	-	-	-	102
	Sub Total External Sources	102	-	-	-	-	-	-	-	102
	TOTAL AVAILABLE FINANCING	24,286	4,907	10,135	-	-	-	-	-	39,328
	TOTAL DEBENTURE REQUIREMENTS	4,163	2,192	34,466	986	505	-	-	-	42,312
	TOTAL FINANCING SOURCES	28,449	7,099	44,601	986	505	-	-	-	81,640
	DEBENTURE REPAYMENT SOURCES									
		4,163	2,192	34,466	986	505	-	-	-	42,312
	TOTAL DEBENTURE REQUIREMENTS	4,163	2,192	34,466	986	505	-	-	-	42,312



2011 Business Plan and Budget

Police Services
York Regional Police

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
GROSS EXPENDITURES										
Tangible Capital Assets										
Rehabilitation/Replacement										
26070	Renovations to Existing Facilities	3,819	-	300	-	-	-	-	-	4,119
29010	Vehicles - Replacement & Additional	21,031	3,893	3,722	-	-	-	-	-	28,646
29022	IT Hardware and Software	6,635	1,765	1,768	-	-	-	-	-	10,168
29028	Portable and Mobile Radio Replacement	370	370	500	-	-	-	-	-	1,240
29030	IT Infrastructure and Retention	-	-	1,295	-	-	-	-	-	1,295
	Sub Total Rehabilitation/Replacement	31,855	6,028	7,585	-	-	-	-	-	45,468
Growth/Expansion										
27730	#3 District - Marine Headquarters	-	-	980	-	-	-	-	-	980
29010	Vehicles - Replacement & Additional	3,035	181	190	-	-	-	-	-	3,406
29017	Specialized Equip - Growth Staff	4,294	280	445	-	-	-	-	-	5,019
	Sub Total Growth/Expansion	7,329	461	1,615	-	-	-	-	-	9,405
Enhancement/Improvement										
29020	Digital Evidence Management	-	-	450	-	-	-	-	-	450
29026	In Car Video	260	460	488	-	-	-	-	-	1,208
29035	Cell Block Safety and Security	-	-	173	-	-	-	-	-	173
	Sub Total Enhancement/Improvement	260	460	1,111	-	-	-	-	-	1,831
	Total Tangible Capital Assets	39,444	6,949	10,311	-	-	-	-	-	56,704



2011 Business Plan and Budget
Police Services
York Regional Police

2011 Total Project Budget Authority

Project Number	Project Name	Approved to Dec 31/ 2009	Approved 2010	2011	2012	(in \$000's) 2013	2014	2015	Balance to Complete	Total Project Budget Authority
	TOTAL GROSS EXPENDITURES	39,444	6,949	10,311	-	-	-	-	-	56,704
	FINANCING SOURCES									
	Regional Sources									
	Development Charges	1,725	388	388	-	-	-	-	-	2,501
	Other Revenues	2,174	348	386	-	-	-	-	-	2,908
	Reserve: Current Tax Levy	27,489	5,753	5,851	-	-	-	-	-	39,093
	Reserve: General Capital	3,977	-	-	-	-	-	-	-	3,977
	Sub Total Regional Sources	35,365	6,489	6,625	-	-	-	-	-	48,479
	TOTAL AVAILABLE FINANCING	35,365	6,489	6,625	-	-	-	-	-	48,479
	TOTAL DEBENTURE REQUIREMENTS	4,079	460	3,686	-	-	-	-	-	8,225
	TOTAL FINANCING SOURCES	39,444	6,949	10,311	-	-	-	-	-	56,704
	DEBENTURE REPAYMENT SOURCES									
	Prior Years	1,812	-	-	-	-	-	-	-	1,812
	Tax Levy	2,267	460	3,686	-	-	-	-	-	6,413
	TOTAL DEBENTURE REQUIREMENTS	4,079	460	3,686	-	-	-	-	-	8,225



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