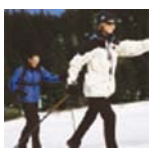



2009 Water & Wastewater Capital & Operating Budget

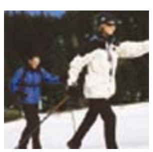
Transportation and Works Committee

Erin Mahoney

November, 5, 2008

Agenda



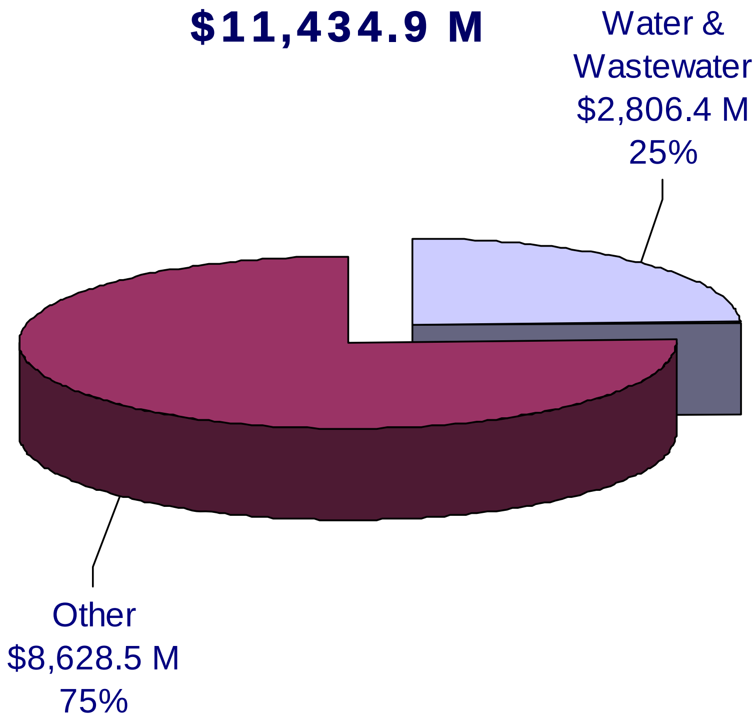




- Water 10 Year Capital and 2009 Capital Plans
- Wastewater 10 Year Capital and 2009 Capital Plans
- W&Ww 2009 Operating Plan and Budget

Region's Total Capital Plan

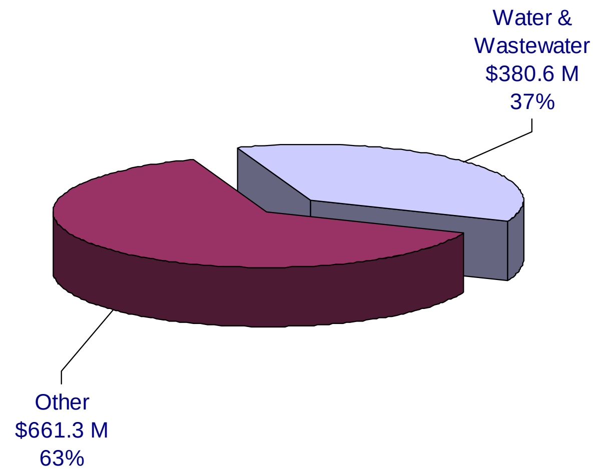
2009 -2018 Plan

$11,434.9 M

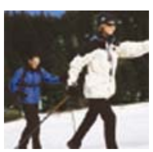


2009 Budget

$1,041.9 M



W/Ww 10 Year Capital is 25% of York's Total Plan and 37% of the 2009 Plan

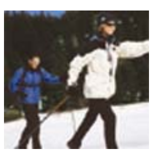


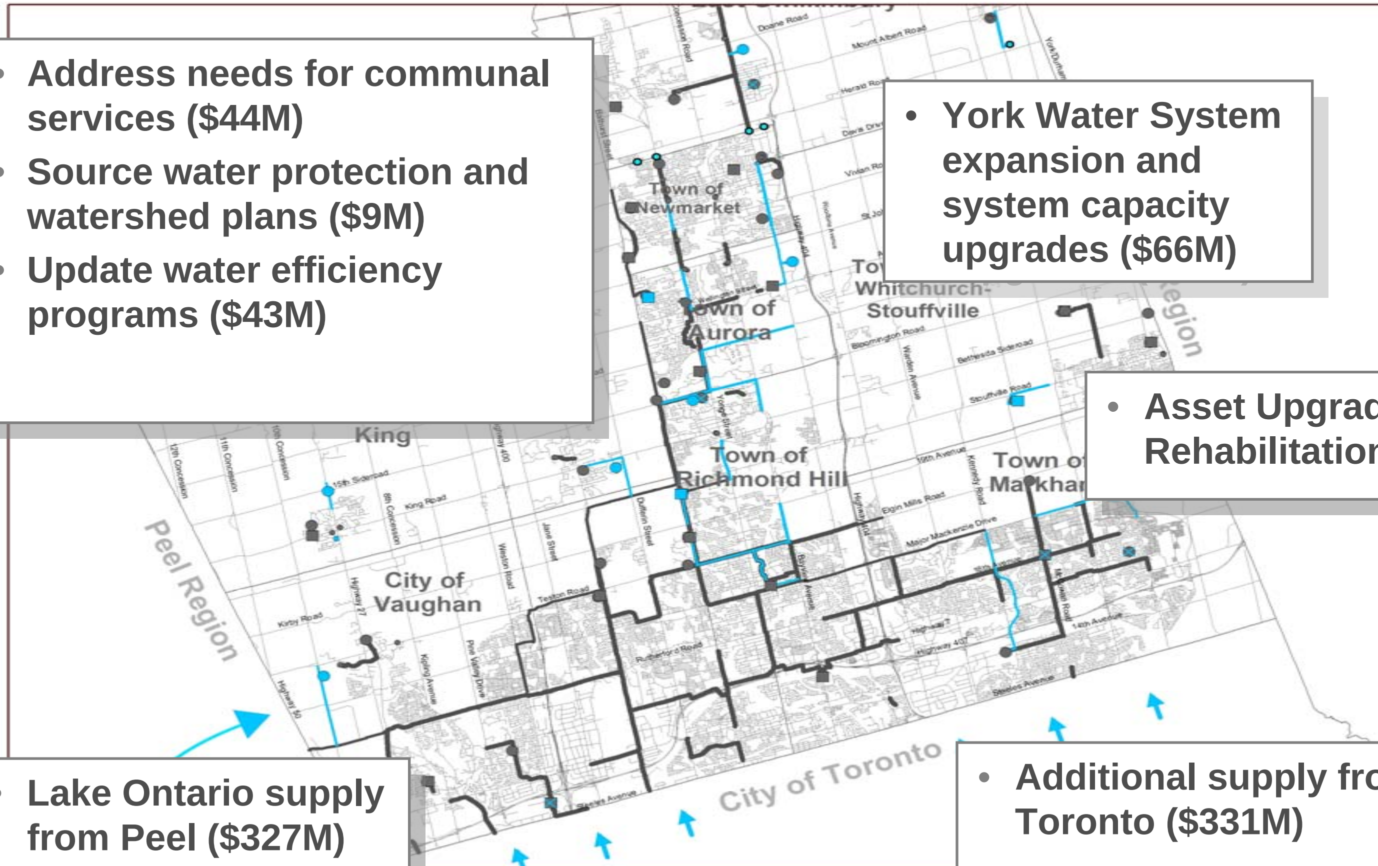
2009-2018

10 Year Capital Plan - Water

Water 10 Year Capital Plan
Key Initiatives



- Address needs for communal services ($44M)
- Source water protection and watershed plans ($9M)
- Update water efficiency programs ($43M)

- York Water System expansion and system capacity upgrades ($66M)

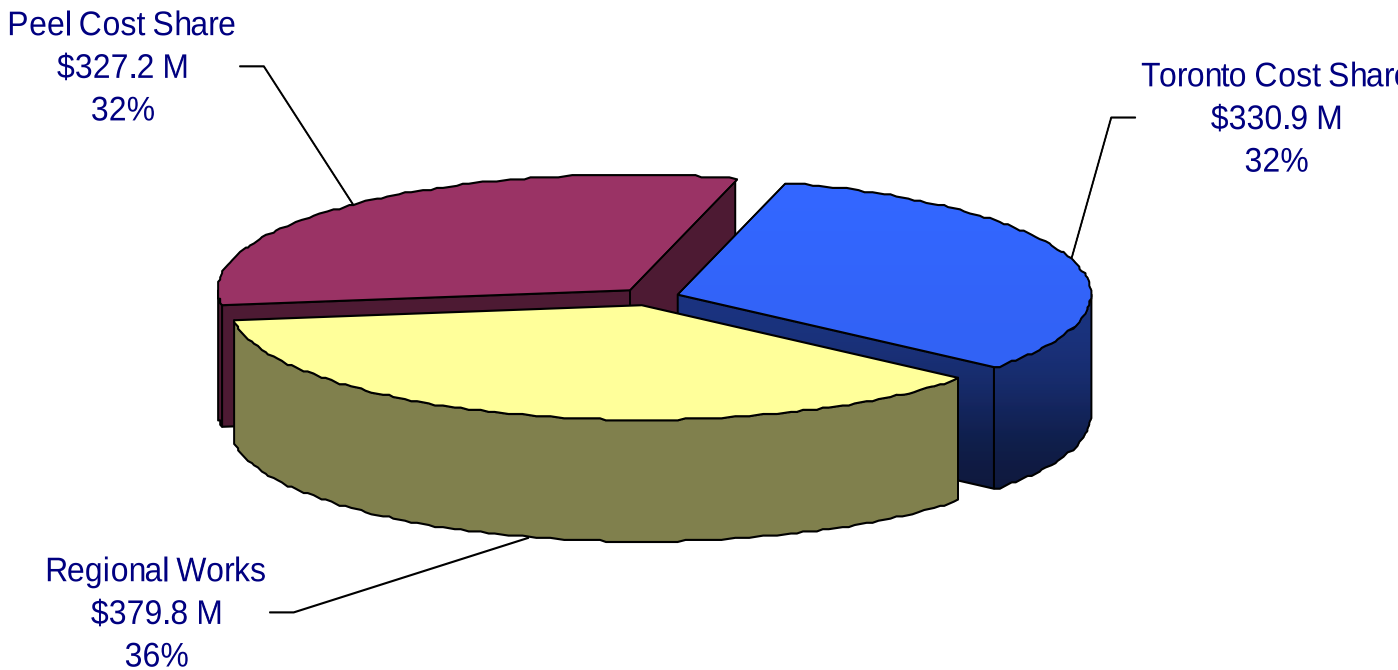
- Asset Upgrade and Rehabilitation ($60M)

- Lake Ontario supply from Peel ($327M)

- Additional supply from Toronto ($331M)

10 Year Capital Budget of $1,037.9 M is Focused on Major Capacity Upgrades

2009-2018 Capital Plan - Water

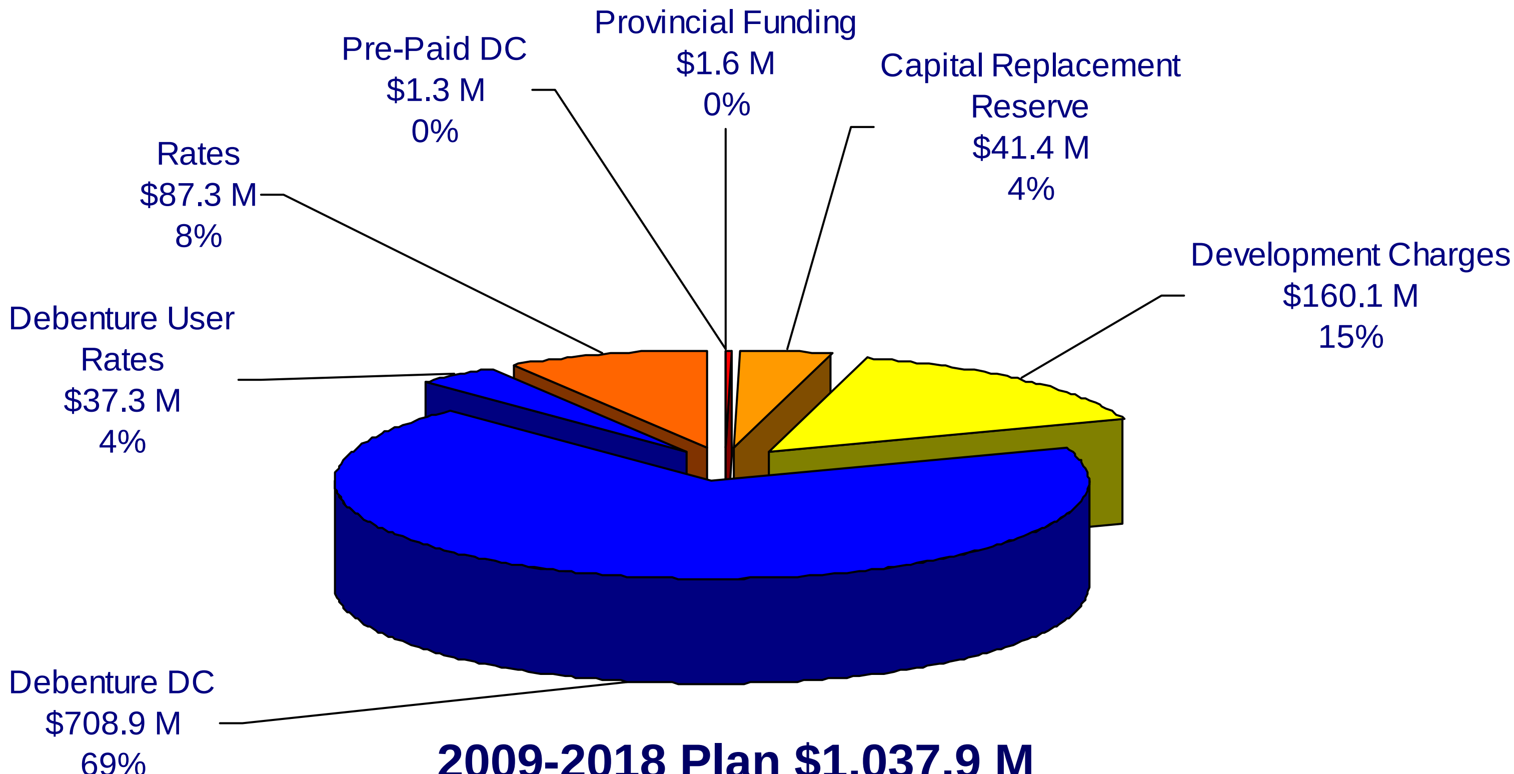


2009-2018 Plan $1,037.9 M

64% of 10 Year Water Capital Plan Due to Peel and Toronto Cost Share Agreements

2009-2018 Capital Plan - Water

Cash Flow Sources



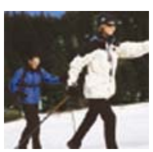
2009-2018 Plan $1,037.9 M

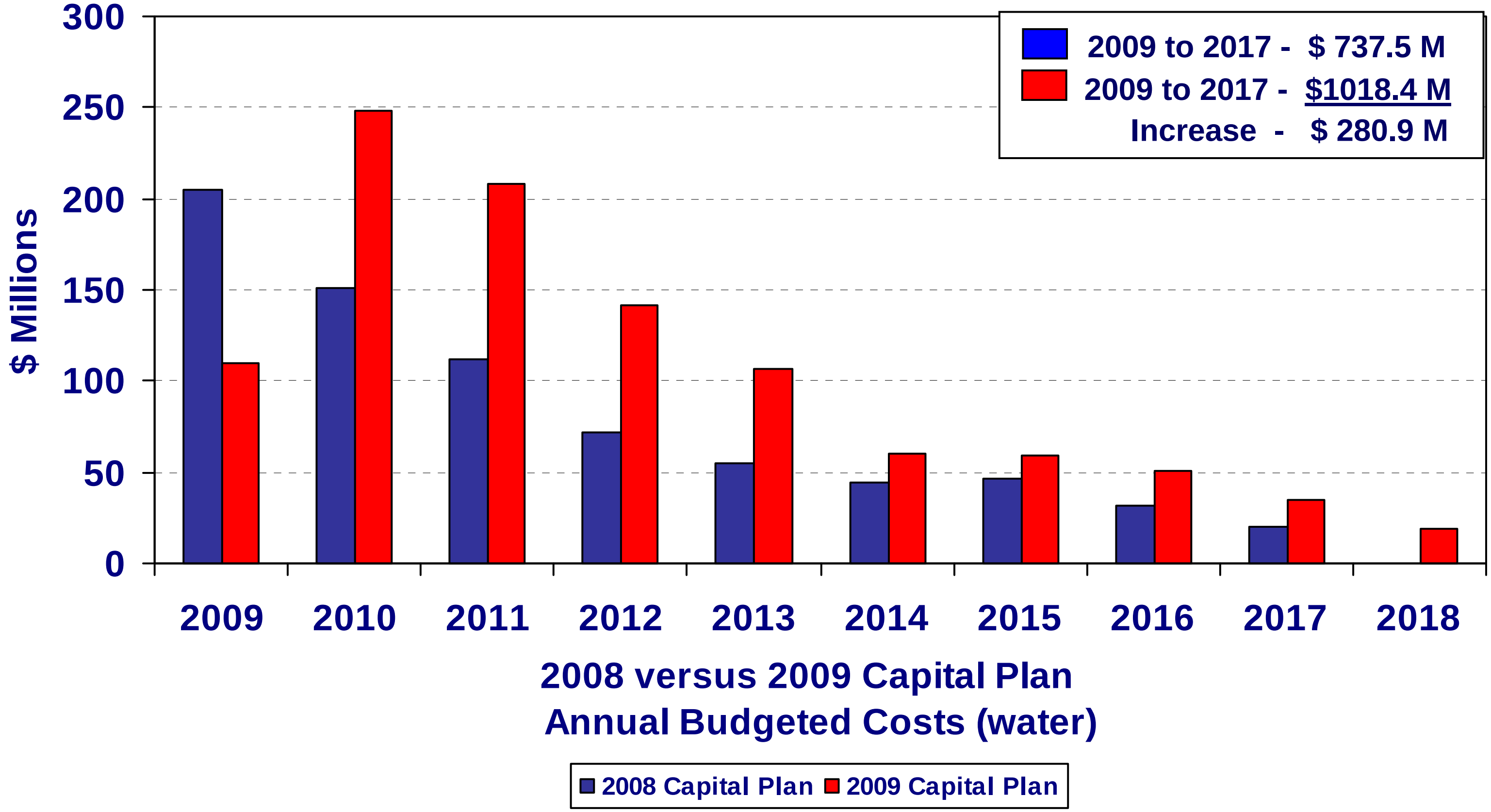
84% of 10 Year Cash Flow Sourced from Development Charges

2008 Plan vs 2009 Plan - Water

Gross Costs Comparison (2009 to 2017)



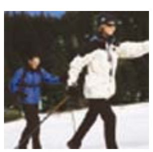



2009 Decrease of $95.3M Primarily for Toronto and Peel Water Now Moved to 2010 and Beyond

York Region

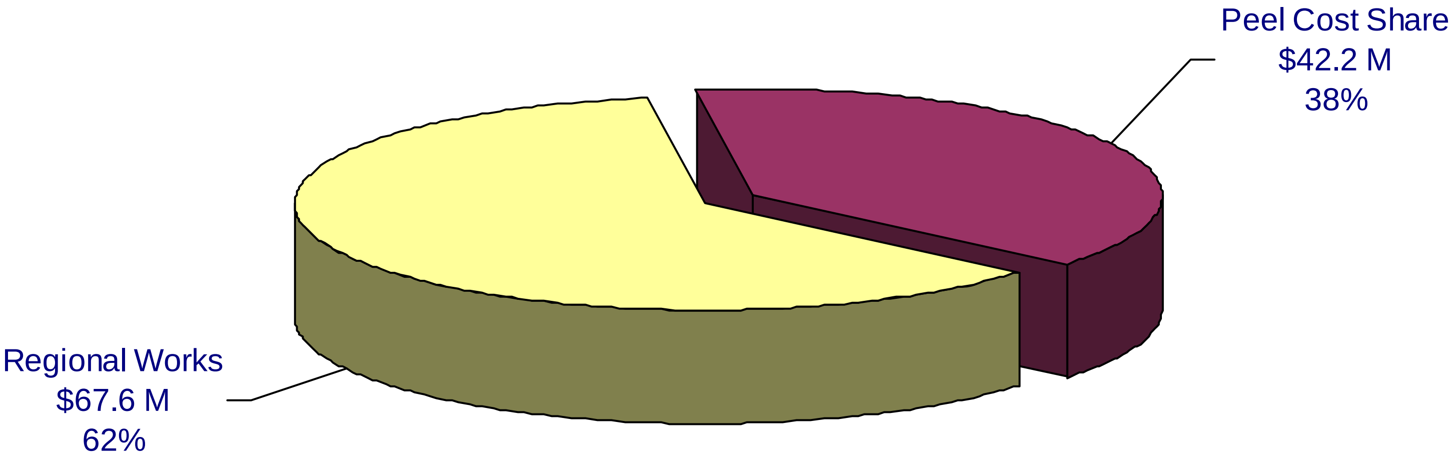



2009

Capital Budget - Water

2009 Capital Budget - Water

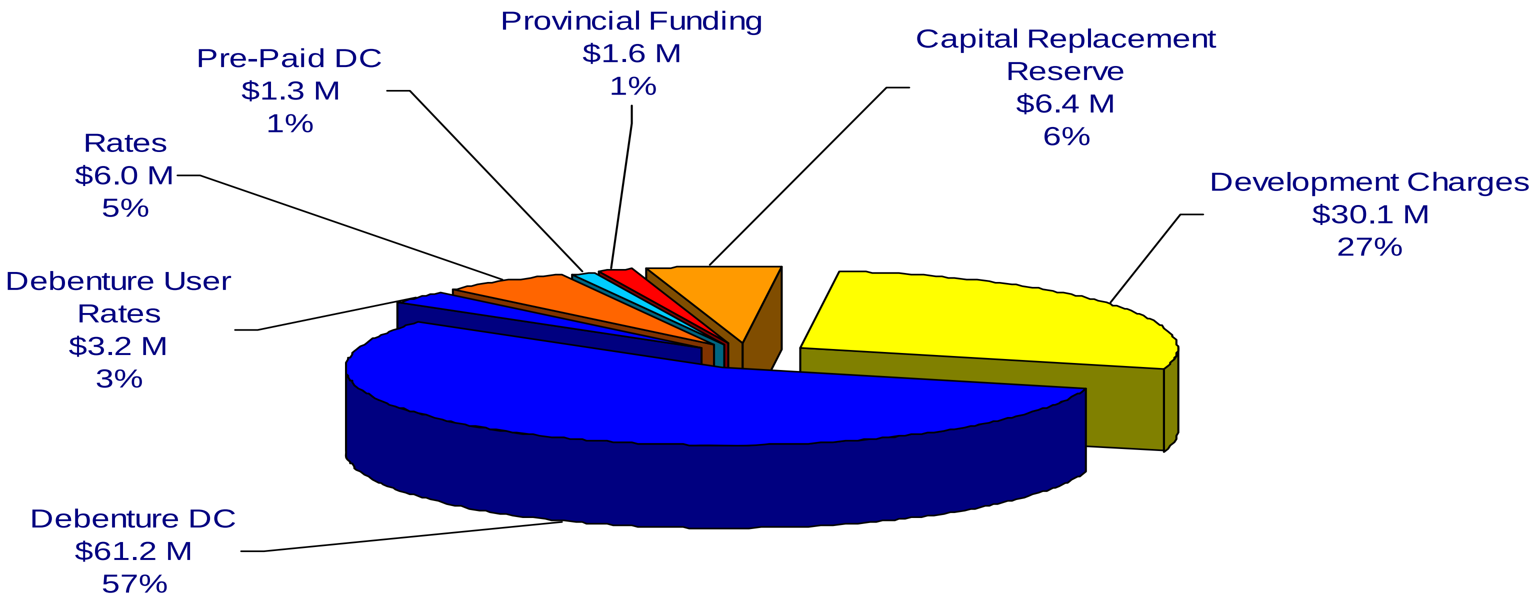


2009 Budget $109.8M

2009 Water Capital Budget is a 50% Increase over 2008

2009 Capital Budget - Water

Cash Flow Sources

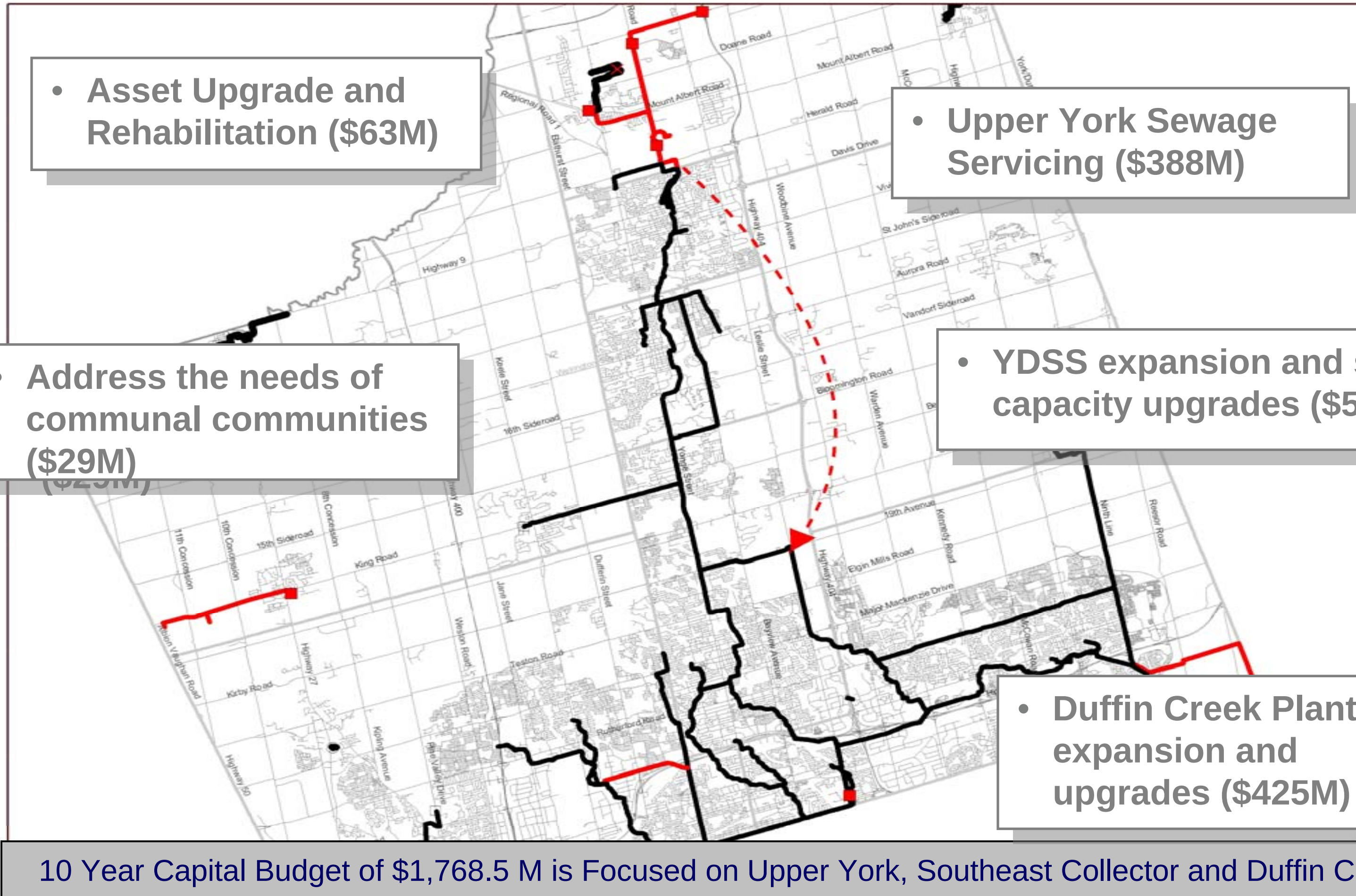


2009 Budget $109.8 M

Growth Related Projects Account for over 90% of 2009 Water Budget

2009-2018
10 Year Capital Plan - Wastewater

Wastewater 10 Year Capital Plan
Key Initiatives

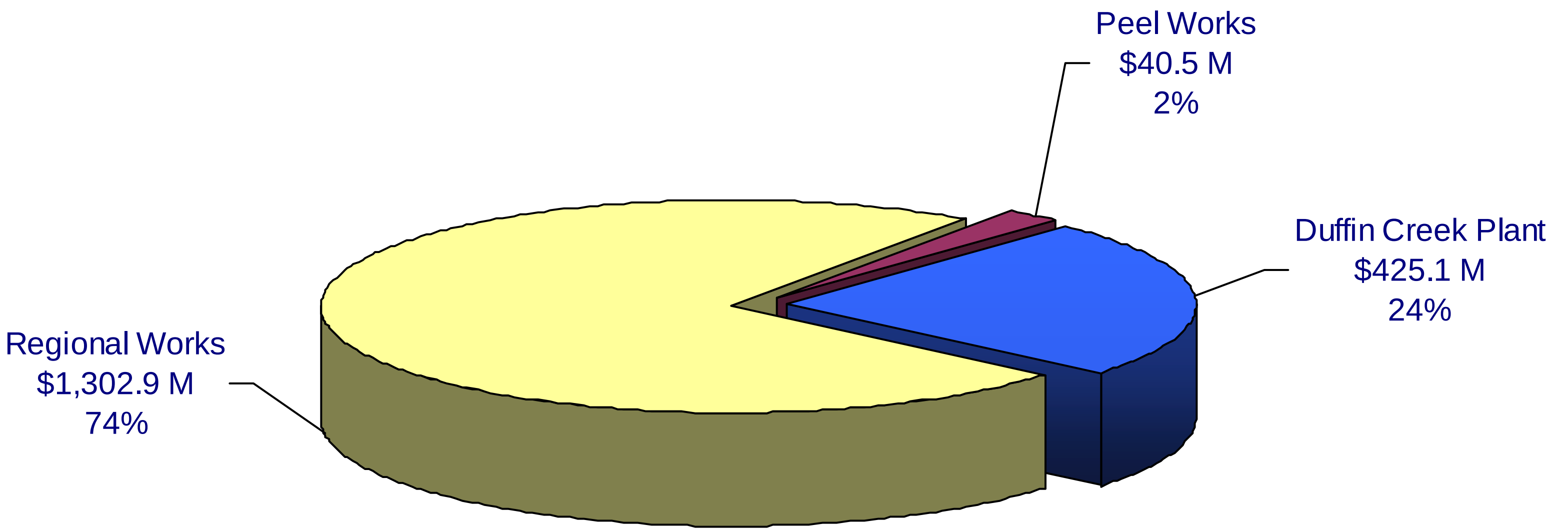


- Asset Upgrade and Rehabilitation ($63M)
- Upper York Sewage Servicing ($388M)
- Address the needs of communal communities ($29M)
- YDSS expansion and system capacity upgrades ($567M)
- Duffin Creek Plant expansion and upgrades ($425M)

10 Year Capital Budget of $1,768.5 M is Focused on Upper York, Southeast Collector and Duffin Creek

York Region

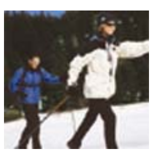
2009-2018 Capital Plan - Wastewater



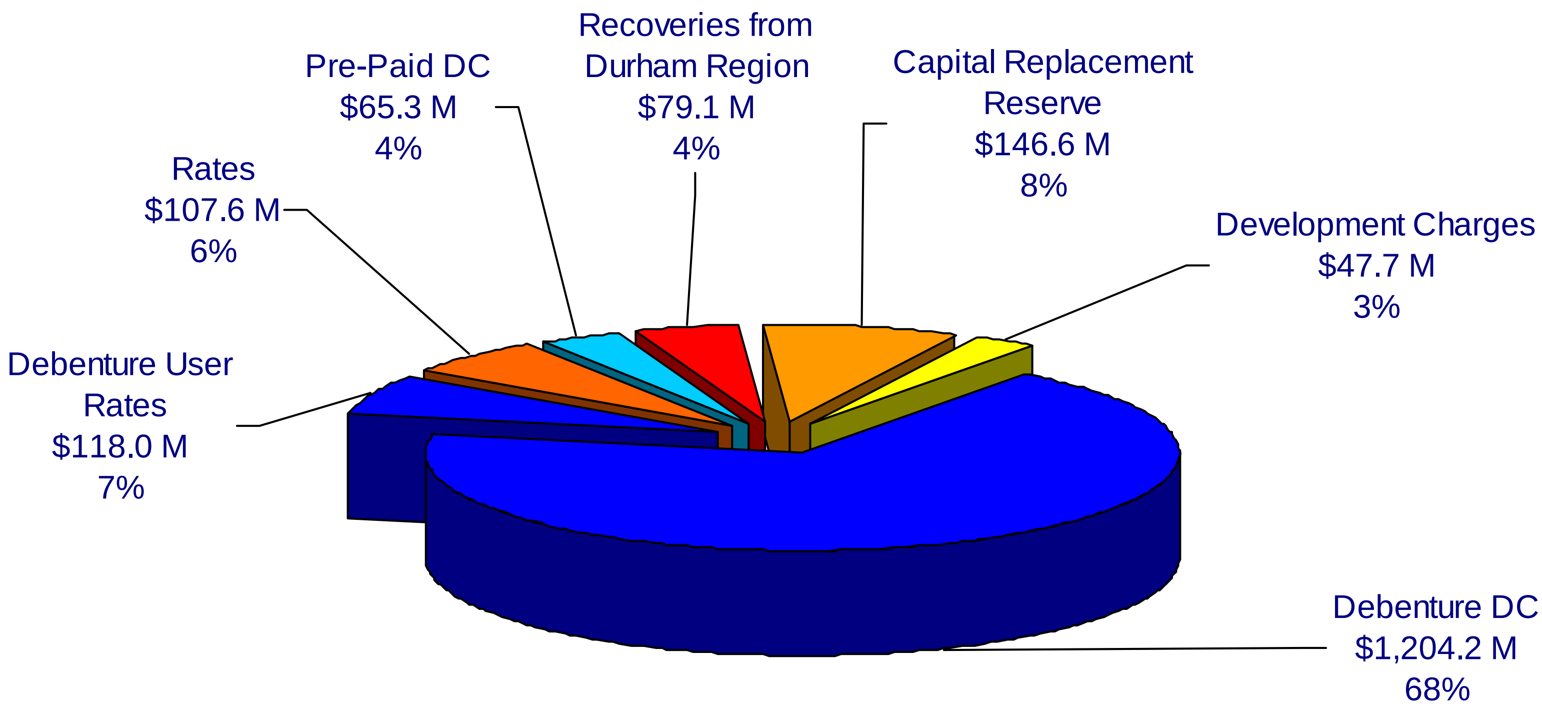
2009-2018 Plan $1,768.5 M

69% of 10 Year Capital Delivered in First Half of 10 Year Program to Provide Required Wastewater Capacity

2009-2018 Capital Plan - Wastewater



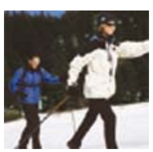
Cash Flow Sources

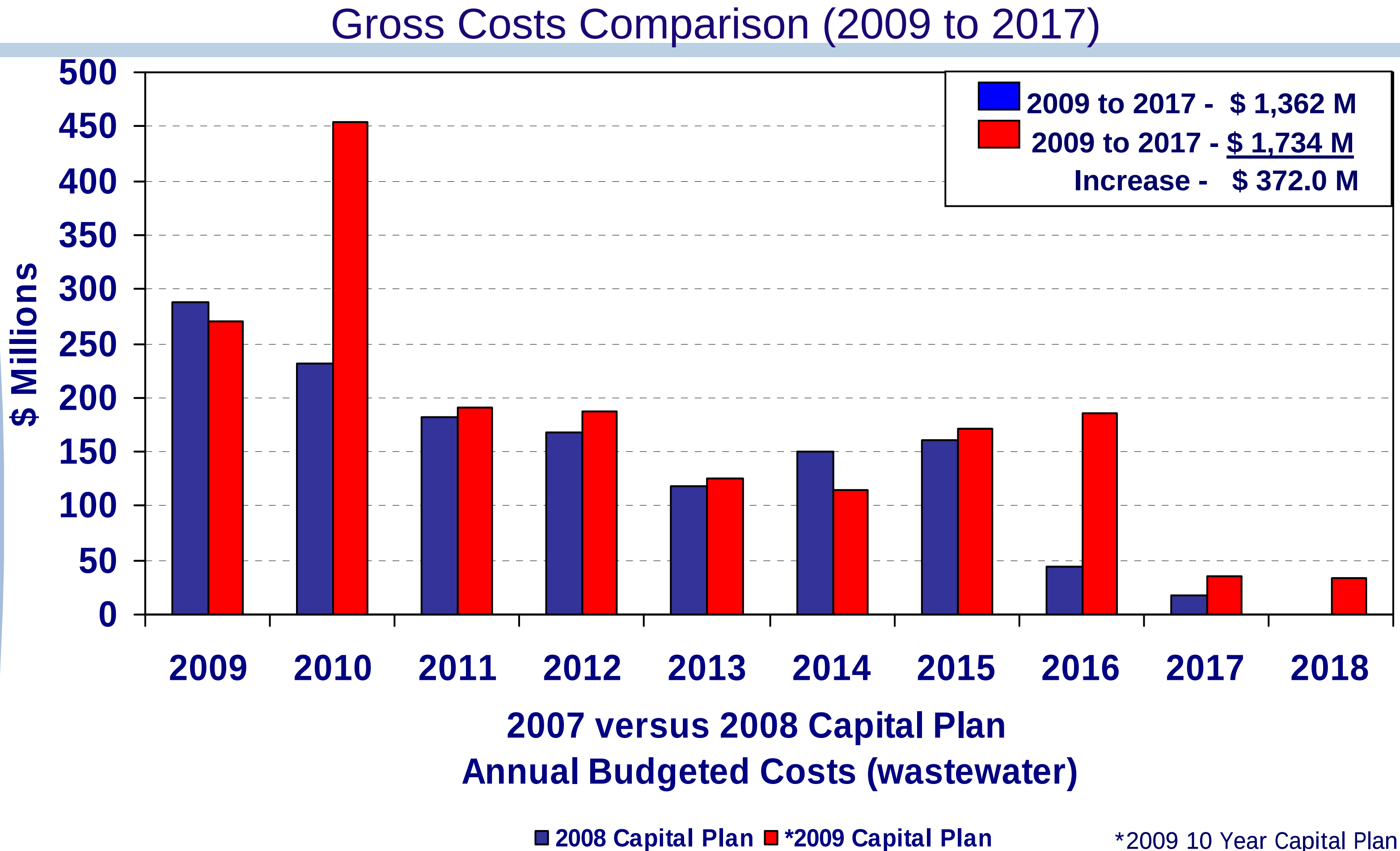


2009-2018 Plan $1,768.5 M

75% of 10 Year Cash Flow Sourced from Development Charges

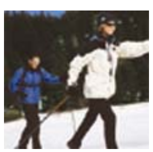
2008 Plan vs 2009 Plan - Wastewater





$64M of Wastewater Capital Deferred to 2010 and Beyond Including Upper York and Southeast Collector

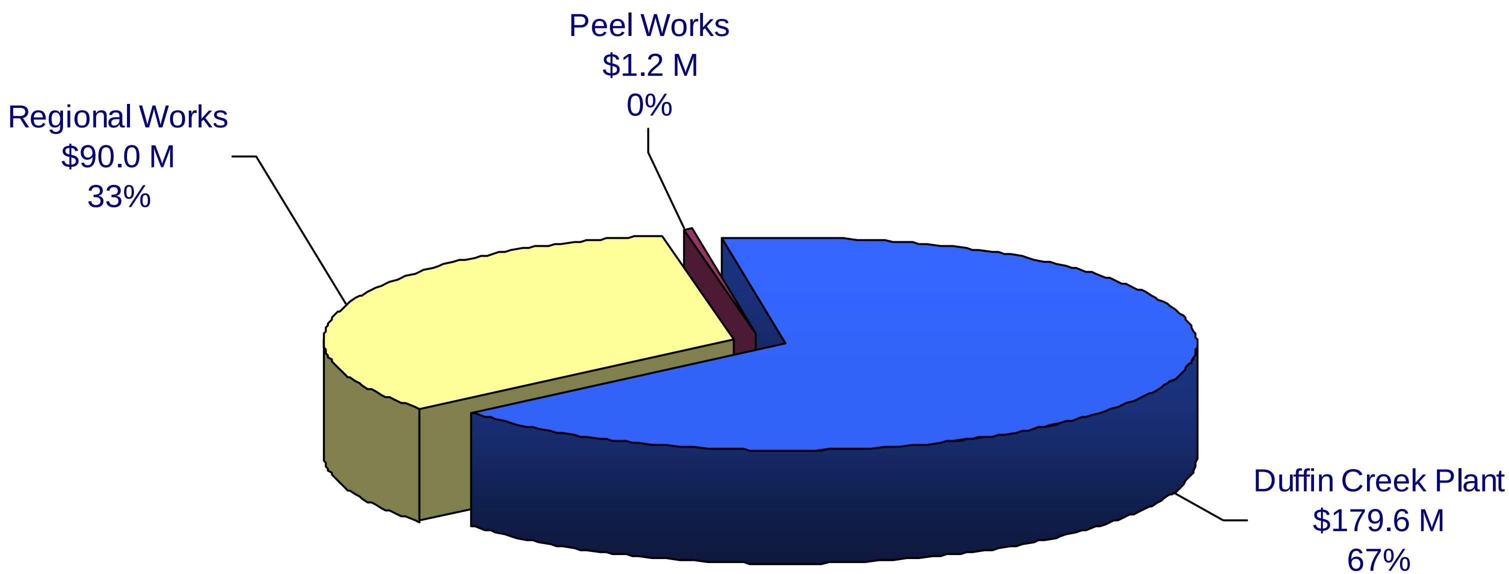
*2009 10 Year Capital Plan includes $79M contribution from Durham Region for the Duffin Creek WPCP expansion project



2009

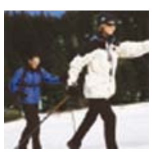
Capital Budget - Wastewater

2009 Capital Budget - Wastewater

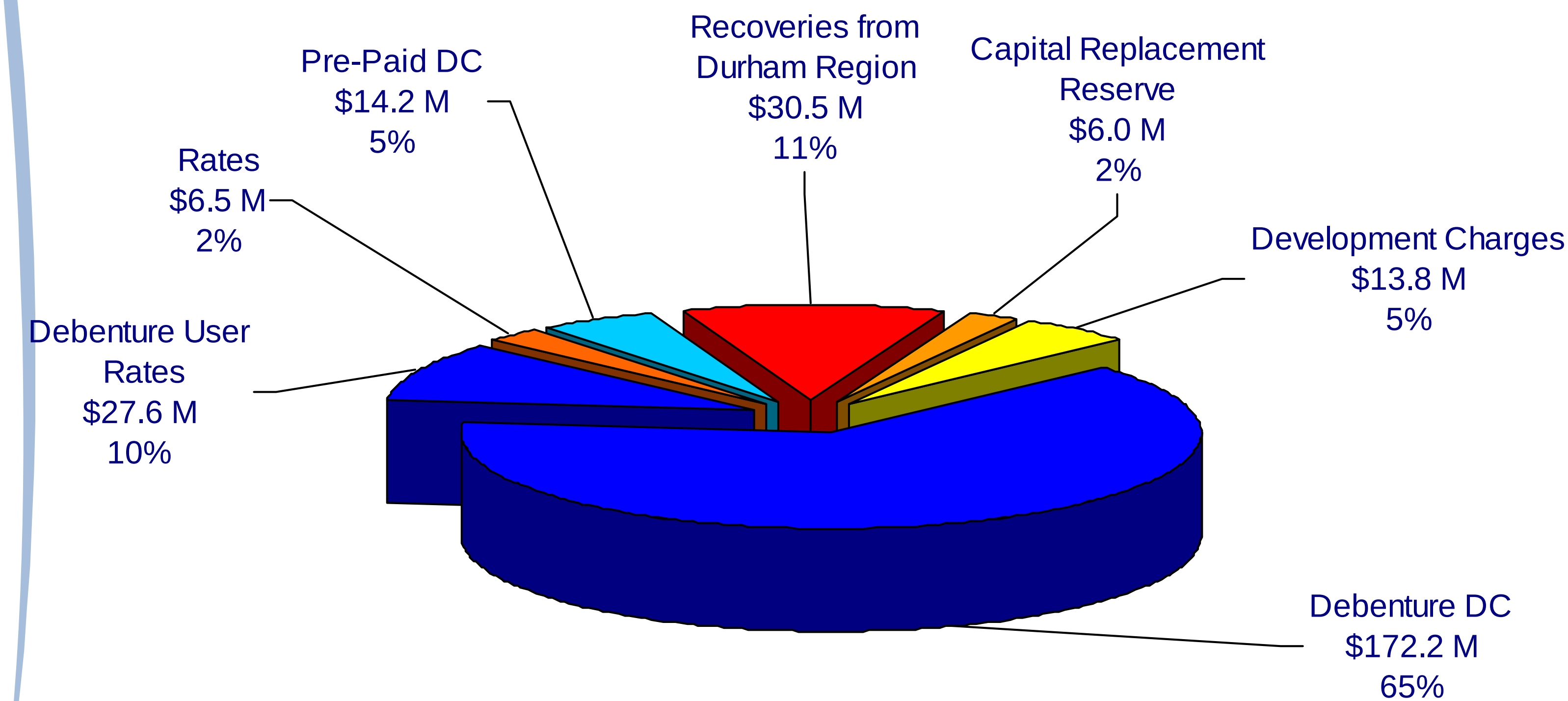


2009 Budget $270.8 M

2009 Capital Budget - Wastewater



Cash Flow Sources



2009 Budget $270.8 M

Growth Related Projects Account for over 95% of 2009 Wastewater Budget



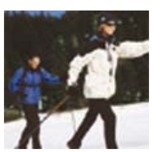


2009 Water & Wastewater

Operating Plan & Budget

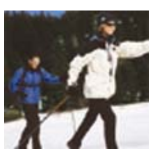
Water & Wastewater Objectives




- Provide Safe Drinking Water at adequate quantity and acceptable pressure
- Support Population and Employment Growth
- Proactively Manage Assets
- Return Good Quality Effluent to the Environment
- Support for Key Elements of Vision 2026




Water Overview

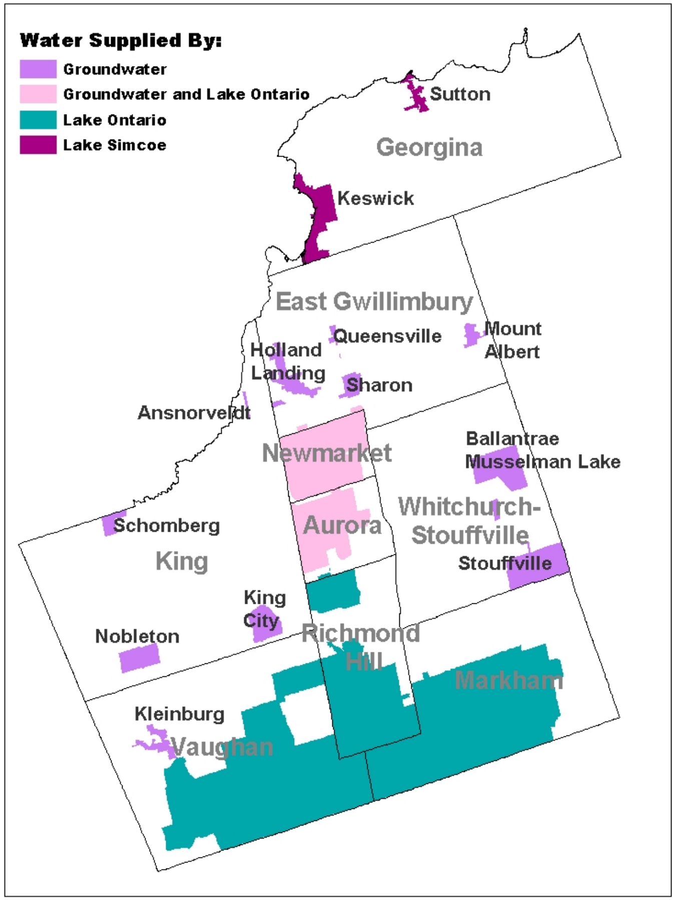
York Water/Yonge St Aquifer System

- Integrated system with groundwater supply from Yonge Street Aquifer and Lake Ontario supply from Peel Region and City of Toronto
- Average flows from Yonge Street Aquifer nearing daily capacity
- Additional water supply to service future growth available from Toronto and Peel purchase agreements
- Provides water supply to approximately 870,000 people in Aurora, East Gwillimbury, Markham, Newmarket, Richmond Hill and Vaughan

Other Systems

- Georgina with 2 WTPs on Lake Simcoe
- 8 stand alone groundwater supply systems

York Water/Yonge St Aquifer System supplies 93% of our Serviced Population



Wastewater Overview

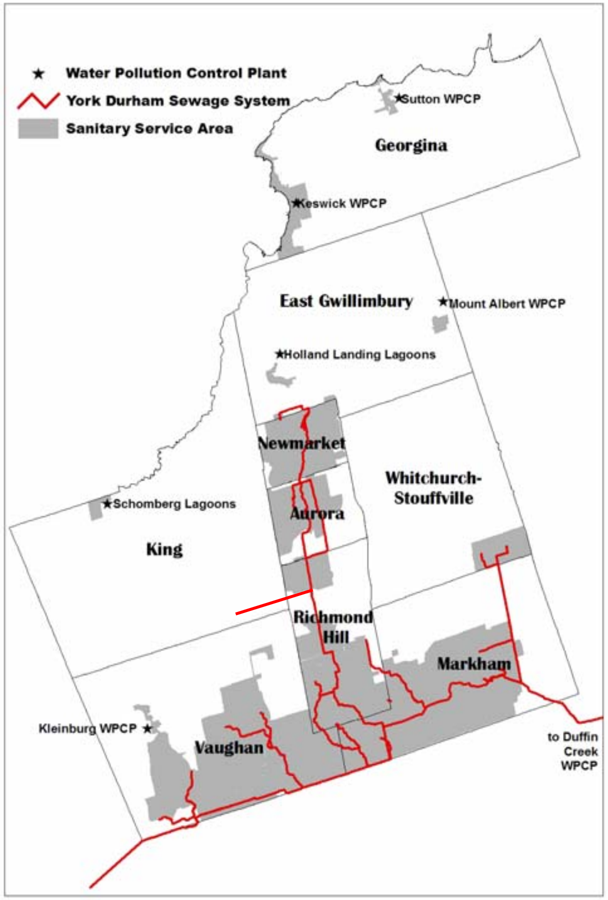
York-Durham Sewage System

- Originally constructed in the 1970's
- Approximately 200 km of sewer and forcemain
- Sewage treated at Duffin Creek Water Pollution Control Plant
- Services a population of approximately 870,000 in Aurora, Markham, Newmarket, King City, Richmond Hill, Vaughan, and Whitchurch-Stouffville

Other Systems

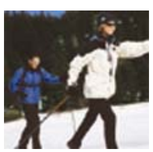
- Seven stand alone Water Pollution Control Plants

Expansion of Duffin Creek Water Pollution Control Plant is Underway and Slated for Completion in 2010

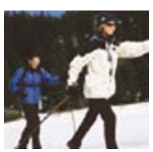


2009 Initiatives - W&WW




- Achieve Drinking Water Quality Management Standard (DWQMS) full scope accreditation
- Asset Management reporting in accordance with PSAB 3150
- Relaunch Water for Tomorrow program with new resources and tools to increase awareness for water conservation
- Implement Business Management Model and BSmart management project
- Lead development of key deliverables for source water protection

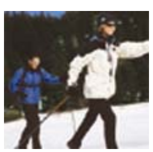


Water & Wastewater

Operating Budget

2008 / 09 Budget Overview - W&WW Operating

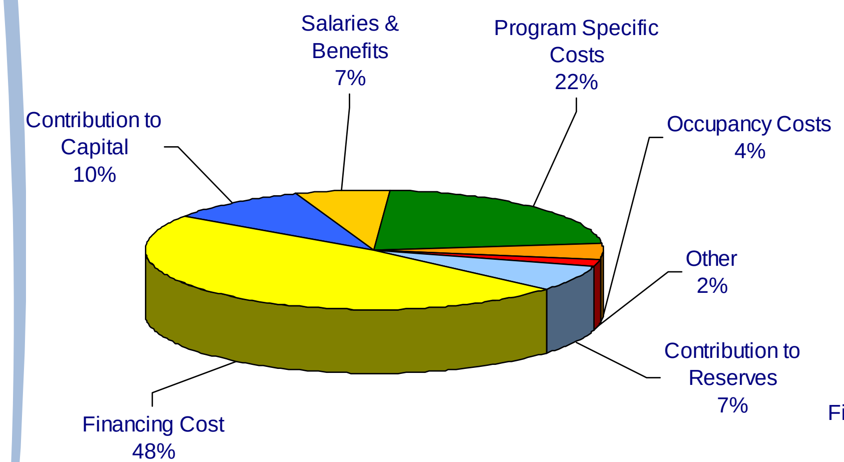



2008

GROSS EXPENDITURES

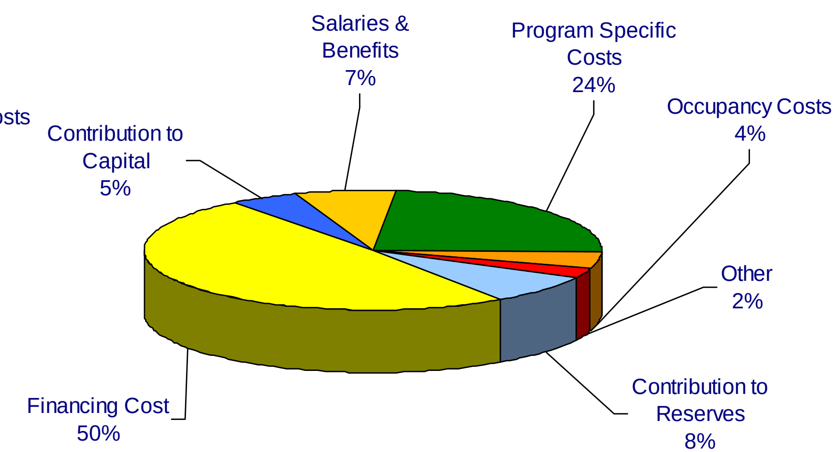
$242.3 Million



2009

GROSS EXPENDITURES

$260.6 Million



63% of the Operating Expenditures Relate to Infrastructure Capital and Financing Costs

2008 / 09 Budget Overview - W&WW Operating

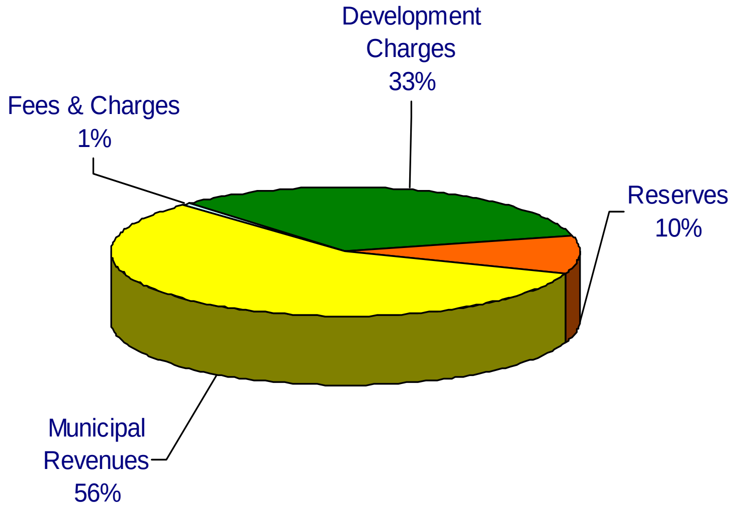




2008

GROSS REVENUES

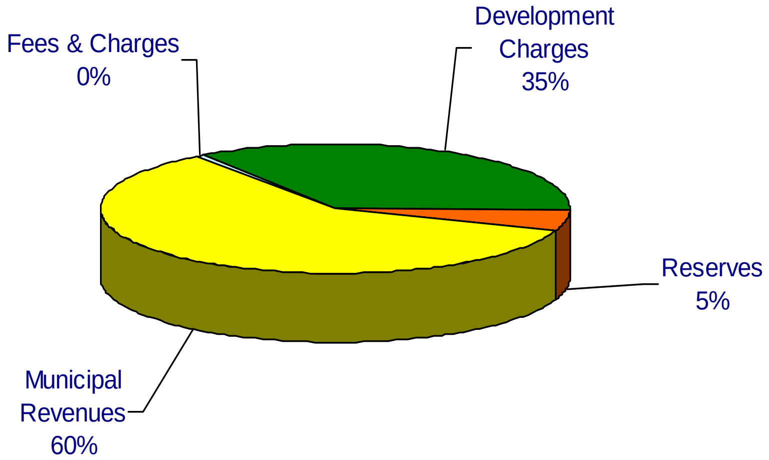
$242.3 Million



2009

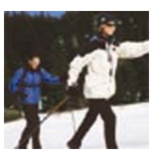
GROSS REVENUES

$260.6 Million



2009 Gross Operating Budget Pressures

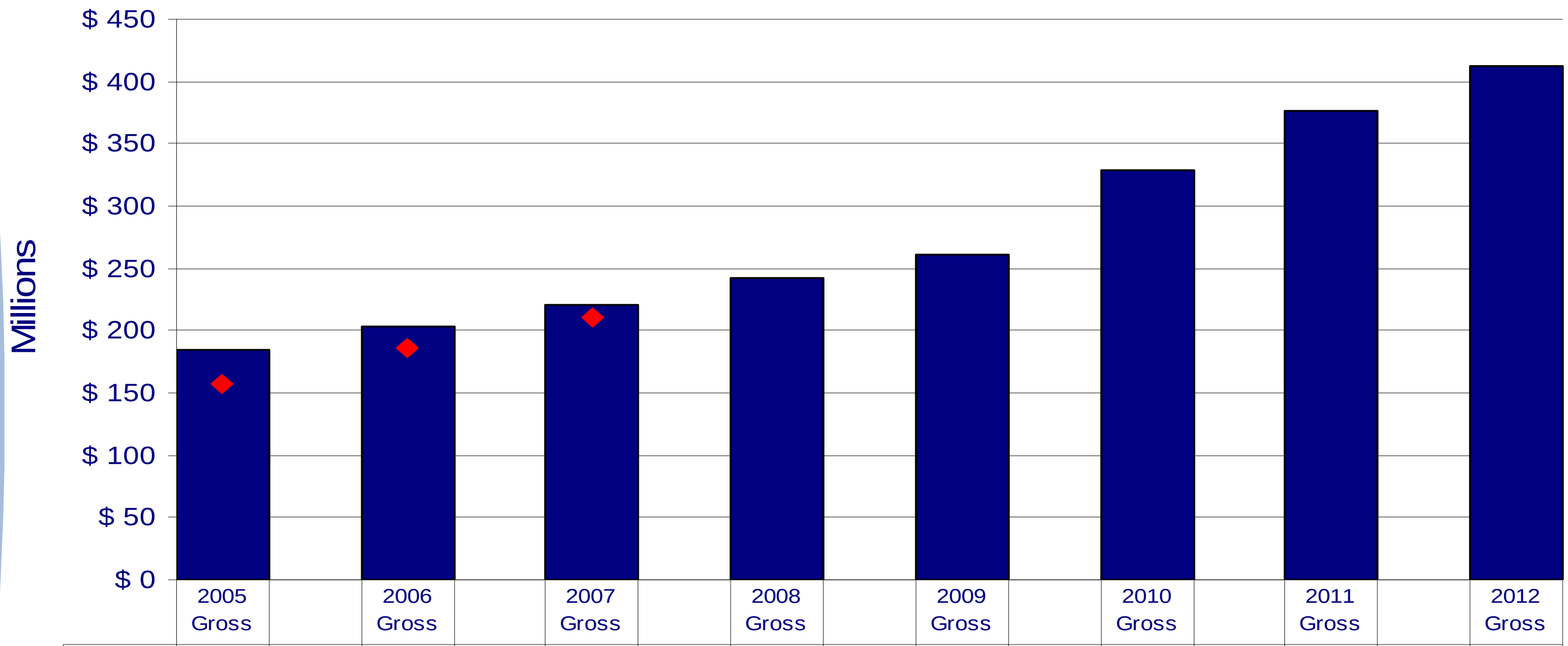



	Amount	% Change
2008 Gross Operating Budget (Excluding Interdepartmental & Contribution to Capital)	$213.3 M	
Enhancements	$0.0 M	
Growth - increase is primarily due to additional flow purchased from Peel and the Schomberg treatment plant	$4.5 M	2.1%
Annualization - financing costs related to the capital program	$11.5 M	5.4%
Mandatory/Legislative - services delivery increases driven by DWQMS and ISO	$0.6 M	0.3%
Base - includes purchase price increases from Toronto & Peel, Duffin Creek operating increases and $3.2M of identified efficiencies	$13.3 M	6.2%
	$243.2 M	14.0%

W&WW Operating Budget Trend

Gross/Net Budget and Actual Trend

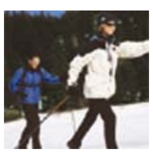


	2005 Gross	2006 Gross	2007 Gross	2008 Gross	2009 Gross	2010 Gross	2011 Gross	2012 Gross
Budget	$185.0	$203.8	$220.5	$242.3	$260.6	$329.3	$376.7	$412.5
Actuals	$156.6	$186.7	$210.2					

Year

Operating Budget Increase to 2012 Driven by Financing Cost of Capital to Service Growth



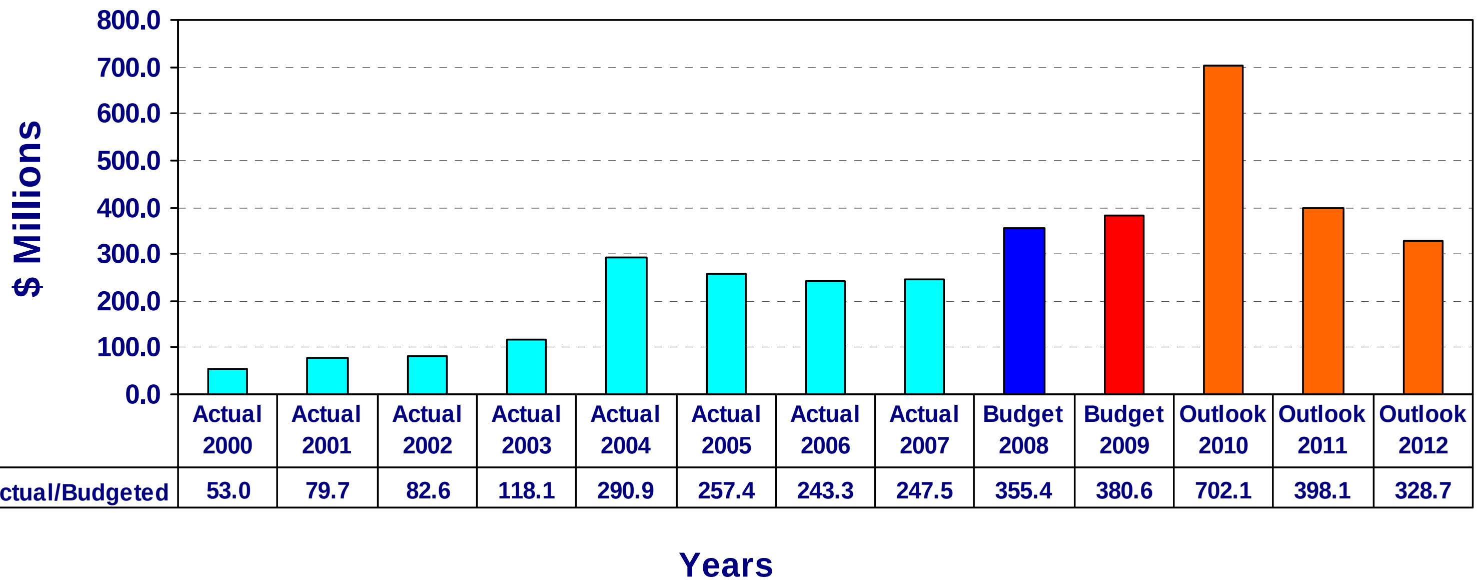




2009 Water & Wastewater

Operating Plan & Budget

Q & A

Capital Cost History – Combined Water & Wastewater



	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual 2004	Actual 2005	Actual 2006	Actual 2007	Budget 2008	Budget 2009	Outlook 2010	Outlook 2011	Outlook 2012
Actual/Budgeted	53.0	79.7	82.6	118.1	290.9	257.4	243.3	247.5	355.4	380.6	702.1	398.1	328.7

York Region