

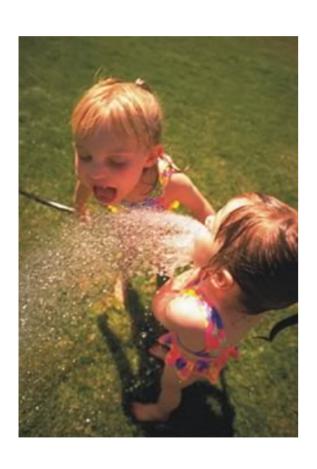




2008-2017 Capital Budget 2008 Operating Budget

TORONTO Water

Toronto Water



Overview

- Serves 3.1 million residents and businesses in Toronto, and portions of York and Peel
- Over \$26 billion in infrastructure
- Infrastructure renewal and state of good repair supported by multi-year business plan
- Program is 100% rate-supported and no reliance on the property tax base to support Toronto Water services
- Both operating and capital budgets are supported by user fees for water consumption and sewage treatment.



Toronto Water

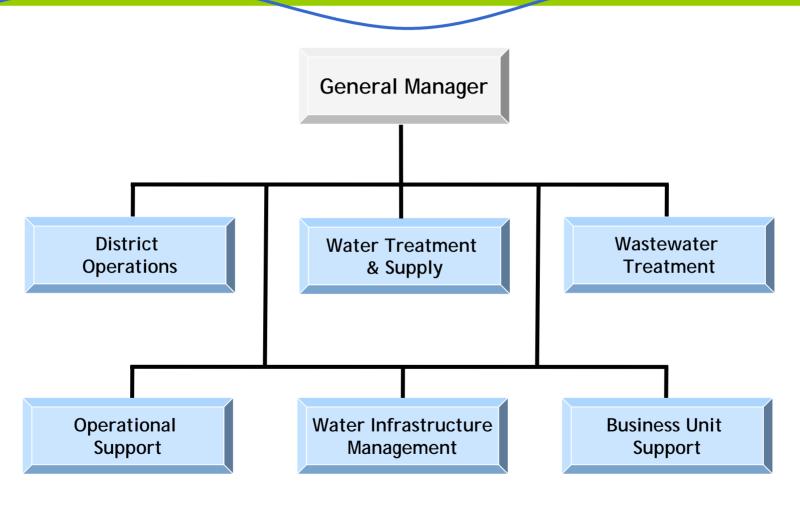


2007 Overview

1,634 employees
Gross Capital Budget \$410M
Gross Operating Budget \$379M
Annual Revenue \$648M



Toronto Water Structure





Inventory of Assets

Replacement Value of \$26.6 Billion

WATER - \$8.7 Billion

- 4 water filtration plants
- 10 reservoirs and 4 elevated storage tanks
- 5,015km of distribution watermains and 510km of trunk watermains
- 52,900 valves and 40,460 hydrants
- 470,202 water service connections, plus York Region (population served 400,000)
- 18 water pumping stations

WASTEWATER - \$17.9 Billion

- 4 wastewater treatment plants
- 5 storage and detention tanks
- 4,397km of sanitary, 1,301km of combined and 358km of trunk sewer
- 4,305 km of storm sewers and 546km of roadside ditches
- 463,300 sewer service connections
- 82 wastewater pumping stations
- 371km of watercourses, 43 stormwater management ponds
- 2,300 outfalls & 122,500 catchbasins



Toronto Water Strategic Direction

- Multi-Year Toronto Water Business Plan approved by Council February 1, 2005
- The strategic directions for 2008 and beyond are:
 - Deliver excellence in environmental stewardship
 - Achieve ongoing financial vitality and sustainability
 - Enhance service delivery
 - Address renewal needs of our infrastructure
 - Increase total system capacity to meet population increases
 - Be recognized as an employer of choice in the water services industry
 - Implement Climate Change Initiatives



2008 Program Issues

- Water Rate Restructuring: impacts had to be factored into long-term capital plans
- Aging Infrastructure: requires significant long-term investment and significant increases to capital budgets
- Compliance with Provincial Regulations: causing increases to both operating and capital budgets
- Managing Impact of Growing Capital Program: increased resources are required to plan and manage infrastructure renewal programs and operate and maintain new equipment & facilities
- Inflationary Pressures: both the operating and capital budgets are experiencing additional inflationary pressures
- Climate Change: support Mayor's goal to reduce greenhouse gas and meet air pollution reduction targets



Toronto Water Rate Setting Issues



Key Assumptions in Rate Setting

- Financial stability over longterm
- No debt; pay-as-you-go principle
- Maintaining adequate reserve balances
- Forecasting water consumption



Toronto Water 2008 Budget Provides

- Annual Water & Wastewater
 Services for 2.6 million residents
 and businesses in Toronto:
 - Treat & supply 514 billion litres of water
 - Collect & treat 438 billion litres of wastewater
 - Repair 9,500 blocked drains
 - Clean over 114,000 catch basins
 - Repair approximately 1,400 broken watermains





Toronto Water 2008 Budget Provides



- Over 30,000 rebates for lowflow toilets
- Over 6,000 rebates for highefficiency washing machines
- Projected to save 50 million litres of water per day by the end of 2008



Toronto Water 2008 Budget Provides

Support for the Mayor's Mandate

- Clean, beautify and improve access and stewardship of Toronto's ravines
- Help clean Lake Ontario to make Toronto's beaches more swimmable
 - Disconnect 2,500 downspouts
 - Distribute 500 rainbarrels
 - Improved coordination between Divisions for ravine clean up
 - Reallocation of resources for better outfall and beach monitoring programs





Wet Weather Flow Master Plan

- Combined Sewer Overflow and Storm Sewer Discharge Controls
- Rainwater Harvesting and Green Roofs Pilot Projects
- Stream Restorations
- Tree Planting
- Source Water Land Acquisition



Toronto Water 2008 Budget Provides

Support for Climate Change Initiatives

Water Efficiency Plan (WEP)

Designed to reduce peak day demand and average day demand consumption.
 Reduced water use leads to a decrease in electricity and chemical used at water treatment plants.

Water Metering Pilot

 Installation of wireless meters in 15,000 homes in and near downtown as part of a two-year pilot project. Metered properties typically will use less water per capita.

Energy Efficiency Measures

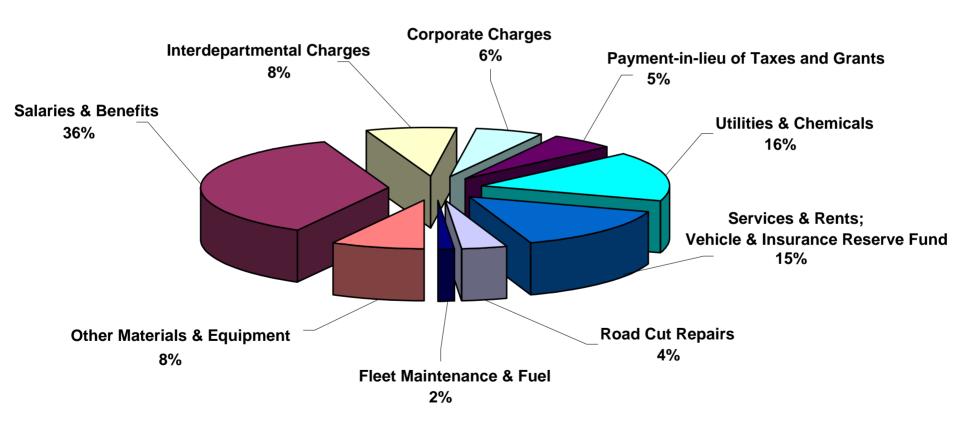
- Completion of facility energy audits
- Replacement of older pumps & motors with high efficiency units
- Implementation of Real Time Energy Monitoring and Water Pumping Strategy



2008 Operating Budget



Operating Cash Flow \$375 Million





2008 Operating Budget Challenges

- Managing the continuous economic increases from internal and external sources: personnel costs, internal service providers and inflationary pressures on materials and supplies (chlorine, powdered activated carbon)
- Managing the impact of increased regulations and legislation: increased resources are required to maintain legislative compliance (additional staff for confined space, lead testing and asbestos management)



2007 – 2008 Base Budget Comparison

BASE BUDGET COMPARISON (\$000s)				
	2007	<u>-</u>	<u>-</u>	
	Approved	2008 Budget	<pre>\$ Increase</pre>	% Incr.
	Budget	Submission	(Decrease)	(Decr.)
Gross Operating Expenditures	379,337.7	379,337.7		0.0%
Base Budget Adjustments		8,987.2		
Services Efficiencies		(1,901.8)		
Sub-total		386,423.1	7,085.4	1.9%
New & Enhanced Services		2,175.2		
Sub-total		388,598.3	9,260.6	2.4%
Transfers to Capital Budget		(13,391.0)		
Gross Operating Expenditures	379,337.7	375,207.3	(4,130.4)	-1.1%
				

Figures do not include capital contribution



2008 Operating Budget Changes

- Base Budget Adjustments: \$9.0 M
 - Economic Factors: \$7.5 M
 - Prior Year Impacts: \$1.9 M
 - Hydro 1.8% reduction in water treatment: (\$2.1 M)
 - Hydro 23% increase, Humber TP co-gen.: \$2.3 M
 - Miscellaneous decreases: (\$0.6 M)
- Program Budget Reallocation from Operating to Capital Budget (\$13.4 M)
 - New Service Connection Program

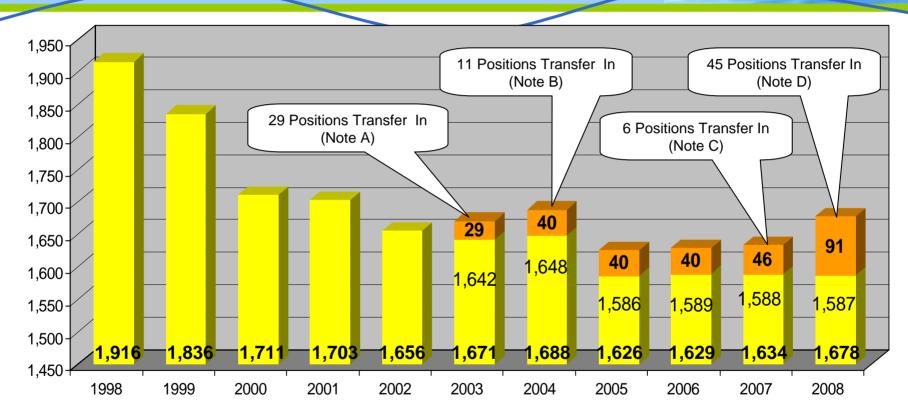


2008 Operating Budget Changes (cont'd.)

- Service Efficiencies: (\$1.9 M)
 - 26 reduced positions
- New & Enhanced Services: \$2.2 M
 - 25 new positions: \$1.8 M
 - 4 positions transferred from SWM: (gross \$0.3 M, net \$0)



Staffing Trends Approved Positions 1998-2008



Note A: 23 positions transferred from Transportation (Catch Basin & Road Cut Repairs), 6 positions

transferred from Technical Services (Water Efficiency Plan)

Note B: 8 positions transferred from Technical Services (Downspout Disconnection), 3 positions transferred

from Transportation (Catch Basin & Road Cut Repairs)

Note C: 6 positions transferred from Technical Services (TIADS)

Note D: 40 positions transferred from PPFA, 4 transferred from Solid Waste, 1 transferred from HR



Toronto Water Efficiencies and Savings

- Works Best Practices Program began in 1996 and continued until 2004
 - Staff levels reduced by 532 positions saving \$35 million annually (accounting for inflation).
 - Savings achieved by introducing new technologies, practices and organizational design.
 - While maintaining a high quality of service have improved efficiency and effectiveness of water and wastewater treatment facilities.
- <u>District Service Improvements Project</u> began in 2004 and continues
 - To date, annual savings of over \$5 million and reduced staffing levels by 84 positions.
 - Standardized practices and procedures across all District Yards.
 - Restructured emergency service contracts for efficiency and provided City with \$2.79 million in savings (27% decrease).



Toronto Water Efficiencies and Savings (cont'd.)

Moving forward...

- Complete restructuring of over 300 positions in District Operations (leads to harmonized service delivery and job classification).
- Consolidating Wastewater and Water Quality Laboratories from two sites to one providing savings of up to \$500,000.
- Preparing standardized contract management manuals, administrative practices, payroll and attendance management procedures.

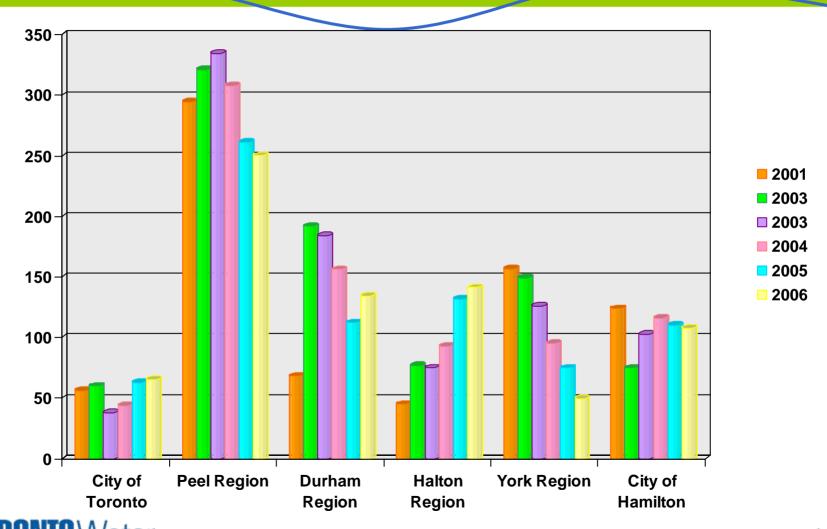


2008 Capital Budget



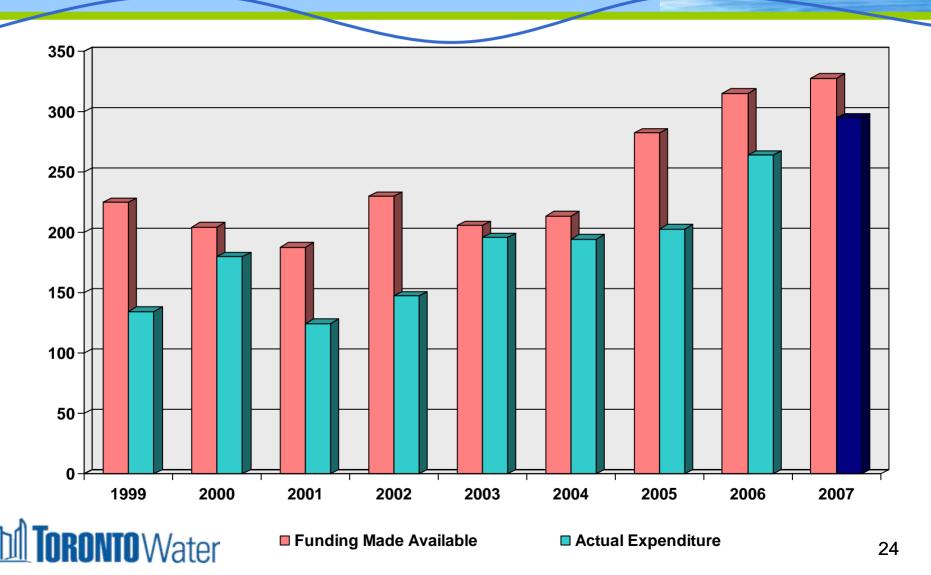
Water & Wastewater Reserve Balances

per Capita Comparison



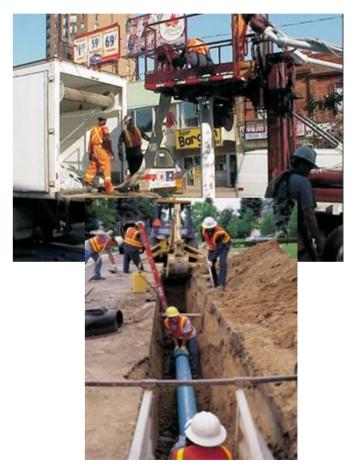
1999-2007 Capital Budget Expenditure Rates

(\$Millions)



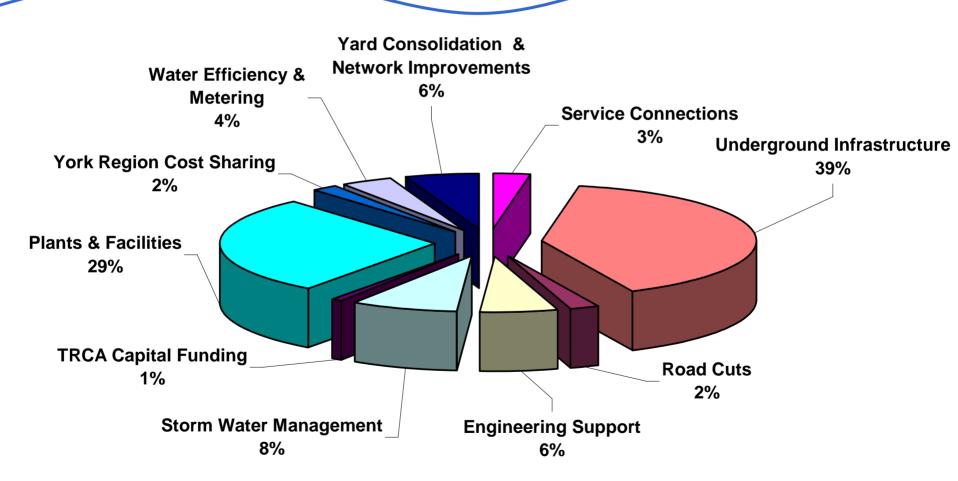
2008 Capital Budget Issues

- Considerable increase in cost of major capital works
 - Higher unit rates for steel, aggregates, etc.
 - More expensive construction techniques to minimize community impact (e.g. tunnelling)
- Need to maintain Capital Reserve in event of catastrophic infrastructure failure





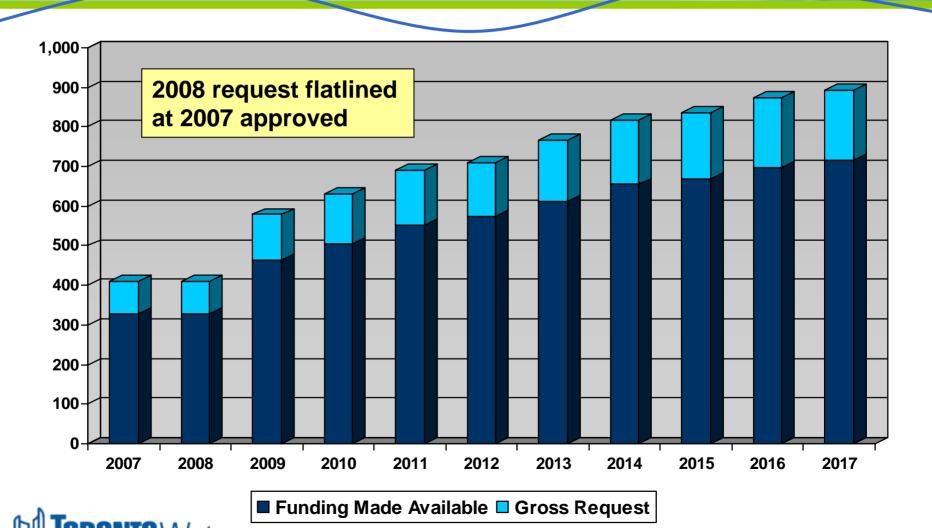
Capital Cash Flow \$410 Million





Capital Budget

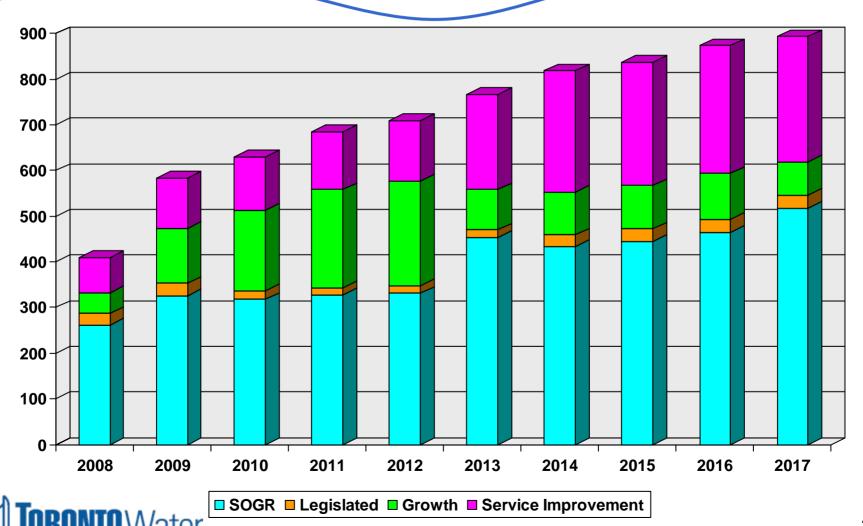
(\$Millions)



2008-2017

Toronto Water Capital Plan

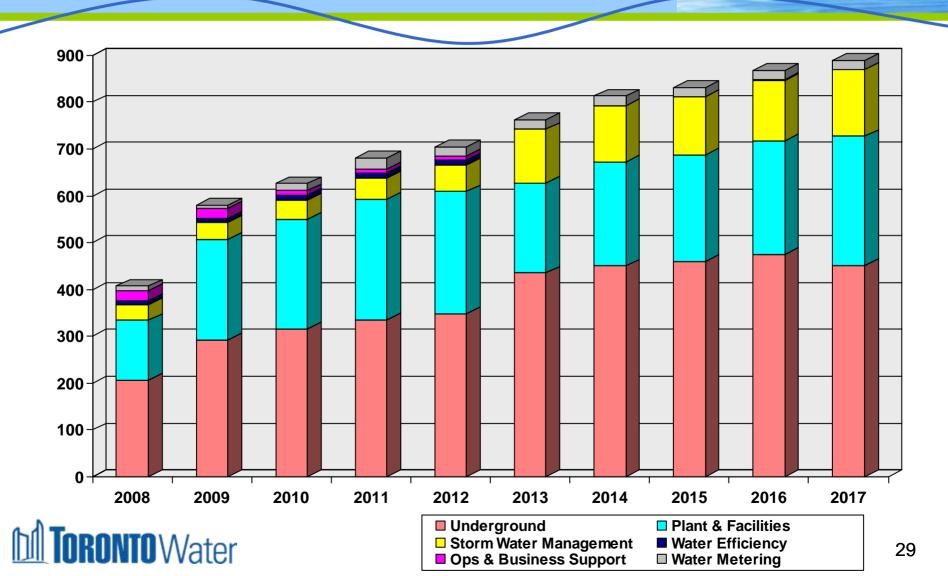
By Category (\$Millions)



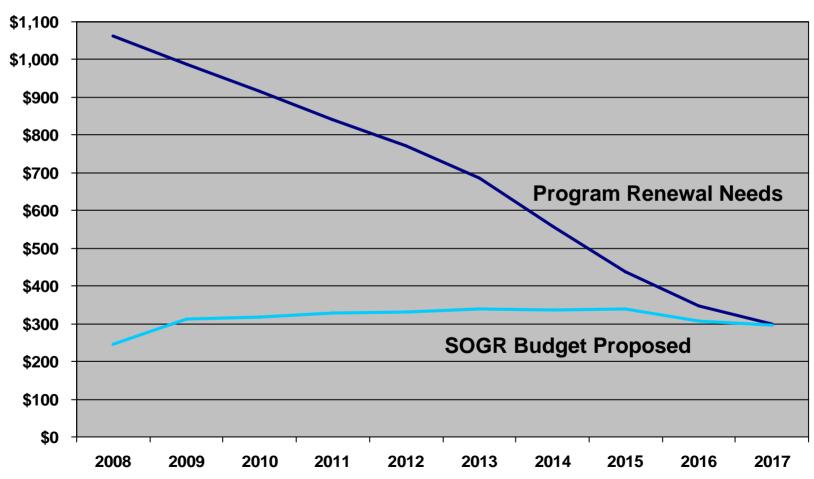
2008-2017

Capital Forecast By Asset Class

(\$Millions)



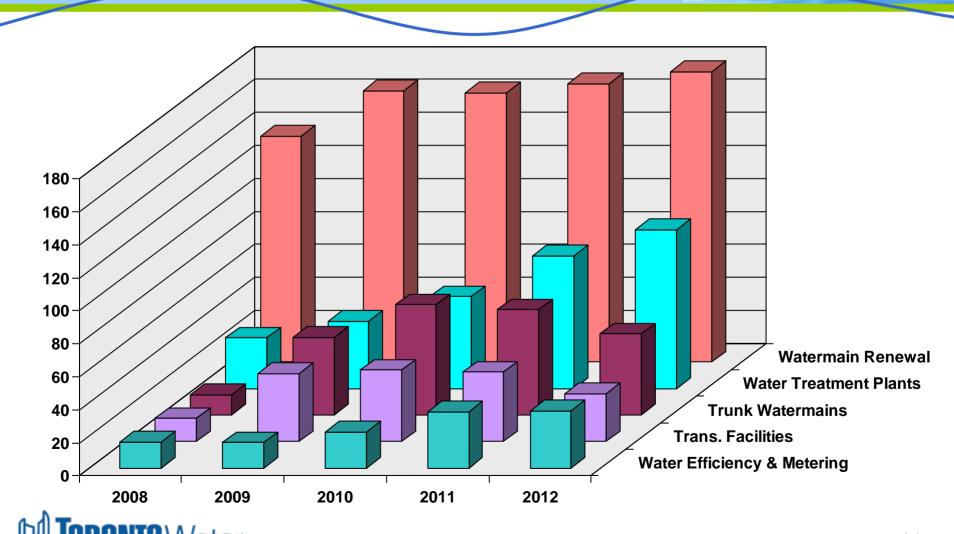
Addressing State of Good Repairs 2008 Backlog Analysis (\$Millions)





2003-2012 Capital Plan Water Infrastructure

(\$Millions)





2003-2012 Capital Plan Wastewater Infrastructure

(\$Millions)

