Toronto Public Health

2014 – 2023 CAPITAL BUDGET AND PLAN OVERVIEW

2014 – 2023 Capital Budget and Plan Highlights

Toronto Public Health (TPH), under the provincial Health Protection and Promotion Act, is responsible for reducing health inequalities and improving the health of Toronto's diverse communities by delivering services that meet their health needs and planning for and responding to urgent public health threats and emergencies.

The 2014-2023 Capital Plan provides funding to develop and implement IT systems to enhance TPH's ability to collect and share critical health information with multiple sources to better respond to health risks, while meeting Provincial reporting and accountability requirements.
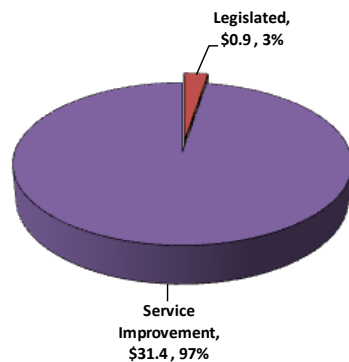
The 10-Year Capital Plan is comprised entirely of technology projects to support TPH's strategic objective to invest in technology to improve efficiency and service delivery, meet the published guidelines of the Ontario Public Health Standards and adhere to the guidelines set out by various Professional Standards organizations.
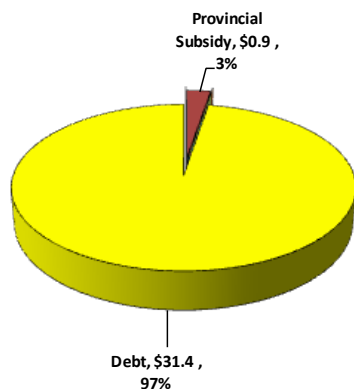
Contents

Capital Spending and Financing

2014-2023 Capital Budget and Plan Expenditures ($32.255 Million)

Legislated, $0.9 , 3%

Service Improvement, $31.4 , 97%

2014-2023 Capital Budget and Plan by Funding Source ($32.255 Million)

Provincial Subsidy, $0.9 , 3%

Debt, $31.4 , 97%

Where does the money go?

The 2014–2023 Capital Budget and Plan provides funding of $32.255 million, $31.405 million or 97% for Service Improvement projects and $0.850 million or 3% is for a Legislated project.

The 10-year Capital Plan for TPH dedicates funding of $31.405 million for 11 service improvement projects, to develop or enhance technology systems and applications and $0.850 million for a Legislated, 100% Provincially funded project to develop and implement a province-wide Infectious Disease Control Information System, in conjunction with the Ministry of Health and Long-Term Care (MOHLTC).

Where does the money come from?

The 10-year Capital Plan requires new debt funding of $31.405 million, which is in line with the debt affordability guideline in each year of the 10-year planning period.

- Debt funding of $31.405 million comprises 97% of TPH's 10-year capital funding.

- Additional source of funding includes $0.850 million or 3%, Provincial funding for one Legislated IT project.

State of Good Repair Backlog

TPH has no facility State of Good Repair (SOGR) backlog as all capital facility projects were transferred from TPH and consolidated within the Facilities Management and Real Estate Capital Budget in 2006 to ensure consistency in maintenance standards across City facilities.

However, the 2014 Capital Budget and 2014-2023 Capital Plan includes funding of $9.794 million for a Public Health Systems State of Good Repair program starting in 2016 to enhance or replace various software systems/ applications housed in Toronto Public Health.

Key Challenges and Priority Actions

TPH Investment in Technology & SOGR Projects

As TPH continues to invest in Information Technology to support and improve service delivery ($22.461 million or 69.0% included in the 10-Year Capital Plan), a significant portion, $9.794 million or 31.0% of the Plan is dedicated towards maintaining the systems and applications in a state of good repair.

With over 50 individual public health applications it is critical that costs to maintain these are contained and minimized by leveraging Corporate IT resources, expertise and system investments. Further, there is a need to consolidate and integrate the wide range of applications into larger more cost effective solutions.

✓ TPH to continue to work with Chief Information Officer to identify cost effective solutions to integrate its wide range of applications to contain maintenance costs and generate operational savings.

2014 Capital Budget

The 2014 Capital Budget for Toronto Public Health of $4.809 million will:

- Complete the *Healthy Environments Inspection System* project ($0.677 million), the *Web re:Brand* project ($0.270 million), and *the Healthy Families/Healthy Living (HF/HL) Systems Integration* project ($0.358 million).

- Begin *Communicable Disease Control (CDC) Wireless Rollout* project ($0.602 million).

- Continue work on other Service Improvement Projects, such as *HF/HL Point of Care* ($2.235 million) and the *Legislated Infectious Disease Control Information System* ($0.667 million).

Healthy Environments Inspection System Project

Infectious Disease Control Information System Project
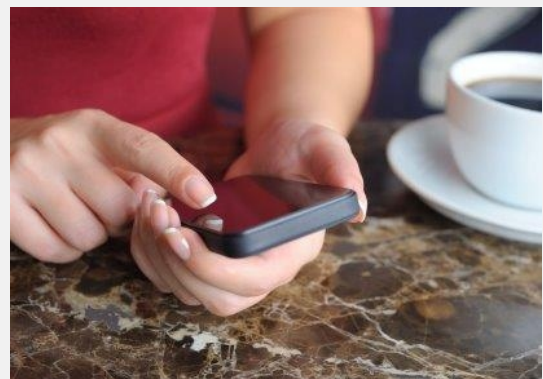
CDC Wireless Rollout Project

II: COUNCIL APPROVED BUDGET

City Council approved the following recommendations:

1. City Council approve the 2014 Capital Budget for Toronto Public Health with a total project cost of $2.175 million, and 2014 cash flow of $4.809 million and future year commitments of $3.641 million comprised of the following:

    a) New Cash Flow Funding for:

    i) Two new sub-projects and three change in scope sub-projects with a 2014 total project cost of $2.175 million that requires cash flow of $1.023 million in 2014 and a future year cash flow commitment of $0.468 million in 2015; and $0.684 million in 2016; and

    ii) Three previously approved sub-projects with a 2014 cash flow of $3.037 million; and a future year cash flow commitment of $2.489 million in 2015; and

    b) 2013 approved cash flow for three previously approved sub-projects with carry forward funding from 2013 into 2014 totaling $0.749 million.

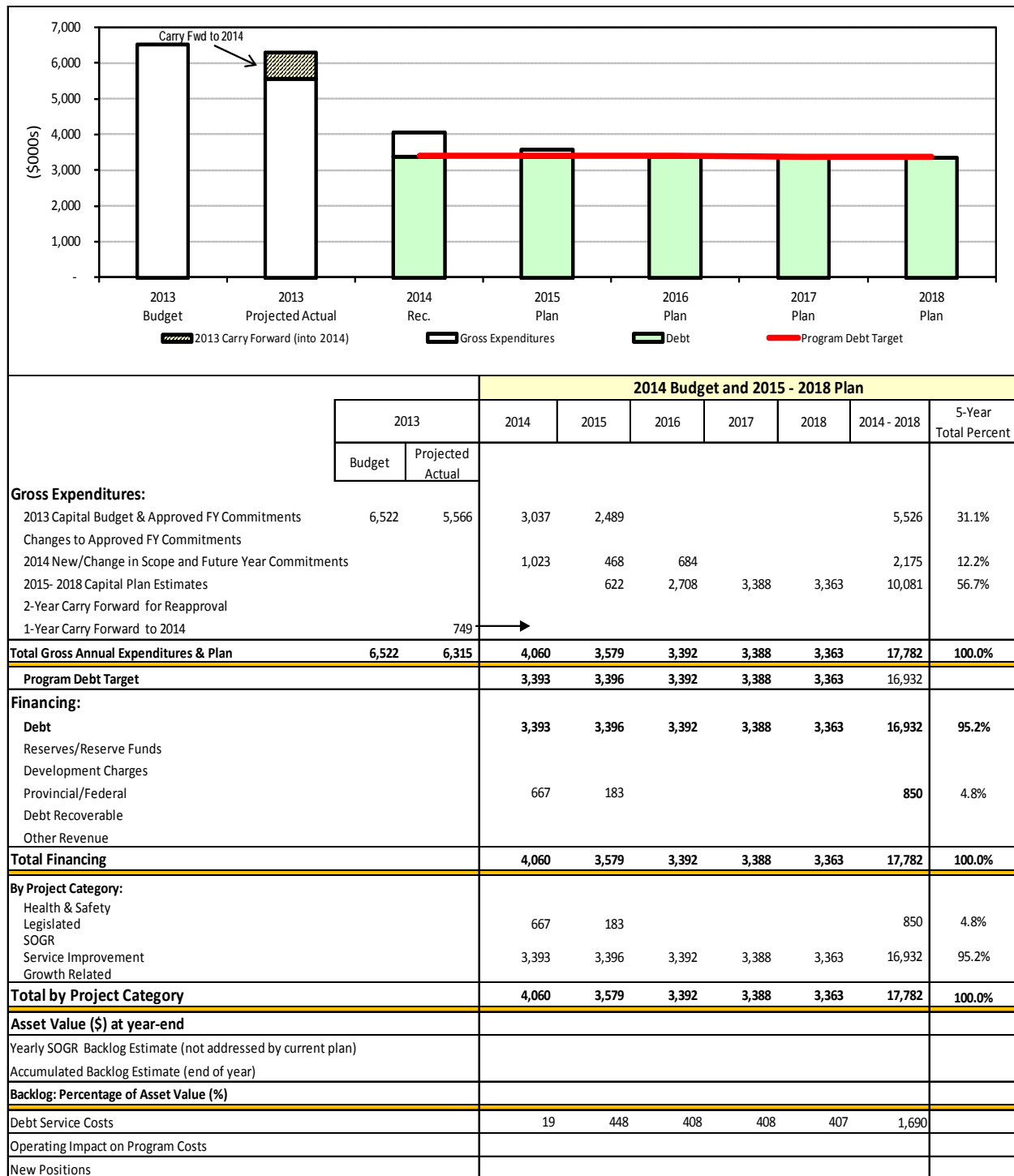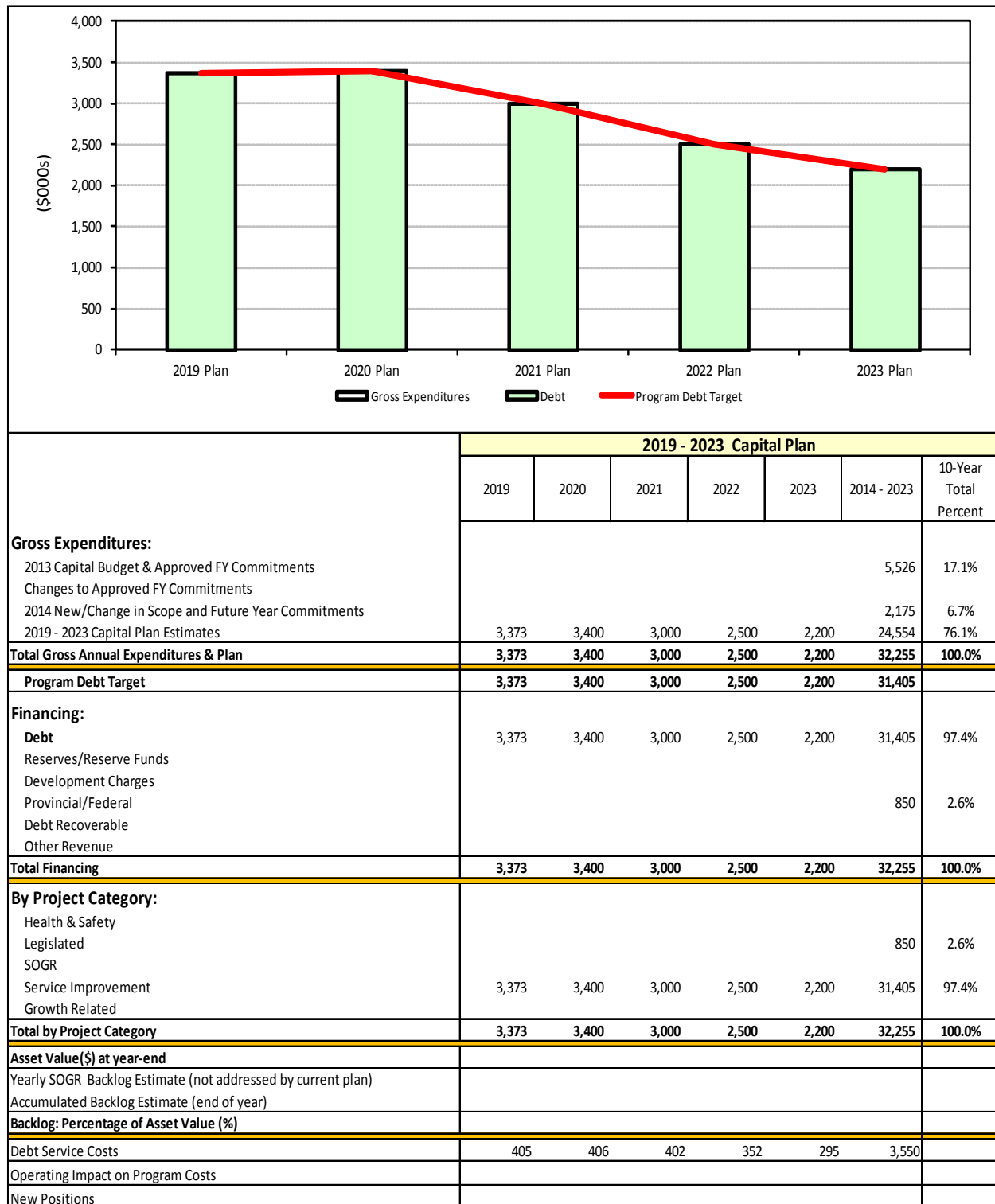2. City Council approve new debt service costs of $0.019 million in 2014 and incremental debt costs of $0.120 million in 2015, $0.062 million in 2016 and $0.070 million in 2017 resulting from the approval of the 2014 Capital Budget, to be included in the 2014 and future year operating budgets.

3. City Council approve the 2015-2023 Capital Plan for Toronto Public Health totaling $24.554 million in project estimates, comprised of $0.622 million in 2015; $2.708 million in 2016; $3.388 million in 2017; $3.363 million in 2018; $3.373 million in 2019; $3.400 million in 2020; $3.000 million in 2021; $2.500 million in 2022; and $2.200 million in 2023.

4. City Council approve 35.7 temporary capital positions for the delivery of new 2014 capital projects and that the duration for each temporary position not exceed the life and funding of its respective project / sub-project.

5. All sub-projects with third party financing be approved conditionally, subject to the receipt of such funding in 2014 and if such funding is not forthcoming, their priority and funding be reassessed by City Council relative to other City-financed priorities and needs.

6. The Medical Officer of Health, in consultation with the Chief Information Officer ensure that:

    a. There is an alignment of TPH IT strategy with Corporate IT strategy;

    b. The existing stand-alone applications are integrated into larger, cost effective solutions, wherever feasible and;

    c. Any future technology solutions identified are cost effective, leverage Provincial or City initiatives and can be integrated with the existing tools or applications.

7. The Medical Officer of Health to report back on TPH's IT Strategy and Plan in time for the 2015 Budget process.

III: 10-YEAR CAPITAL PLAN

10 - Year Capital Plan
2014 Budget, 2015 – 2018 Plan
(In $000s)

	2013		2014	2015	2016	2017	2018	2014 - 2018	5-Year Total Percent
	Budget	Projected Actual			**2014 Budget and 2015 - 2018 Plan**				
Gross Expenditures:									
2013 Capital Budget & Approved FY Commitments	6,522	5,566	3,037	2,489				5,526	31.1%
Changes to Approved FY Commitments									
2014 New/Change in Scope and Future Year Commitments			1,023	468	684			2,175	12.2%
2015- 2018 Capital Plan Estimates				622	2,708	3,388	3,363	10,081	56.7%
2-Year Carry Forward for Reapproval									
1-Year Carry Forward to 2014		749							
Total Gross Annual Expenditures & Plan	**6,522**	**6,315**	**4,060**	**3,579**	**3,392**	**3,388**	**3,363**	**17,782**	**100.0%**
Program Debt Target			**3,393**	**3,396**	**3,392**	**3,388**	**3,363**	**16,932**	
Financing:									
Debt			**3,393**	**3,396**	**3,392**	**3,388**	**3,363**	**16,932**	**95.2%**
Reserves/Reserve Funds									
Development Charges									
Provincial/Federal			667	183				850	4.8%
Debt Recoverable									
Other Revenue									
Total Financing			**4,060**	**3,579**	**3,392**	**3,388**	**3,363**	**17,782**	**100.0%**
By Project Category:									
Health & Safety									
Legislated			667	183				850	4.8%
SOGR									
Service Improvement			3,393	3,396	3,392	3,388	3,363	16,932	95.2%
Growth Related									
Total by Project Category			**4,060**	**3,579**	**3,392**	**3,388**	**3,363**	**17,782**	**100.0%**
Asset Value ($) at year-end									
Yearly SOGR Backlog Estimate (not addressed by current plan)									
Accumulated Backlog Estimate (end of year)									
Backlog: Percentage of Asset Value (%)									
Debt Service Costs			19	448	408	408	407	1,690	
Operating Impact on Program Costs									
New Positions									

10 - Year Capital Plan
2019 - 2023 Plan
(In $000s)

	2019 - 2023 Capital Plan						
	2019	2020	2021	2022	2023	2014 - 2023	10-Year Total Percent
Gross Expenditures:							
2013 Capital Budget & Approved FY Commitments						5,526	17.1%
Changes to Approved FY Commitments							
2014 New/Change in Scope and Future Year Commitments						2,175	6.7%
2019 - 2023 Capital Plan Estimates	3,373	3,400	3,000	2,500	2,200	24,554	76.1%
Total Gross Annual Expenditures & Plan	**3,373**	**3,400**	**3,000**	**2,500**	**2,200**	**32,255**	**100.0%**
Program Debt Target	**3,373**	**3,400**	**3,000**	**2,500**	**2,200**	**31,405**	
Financing:							
Debt	3,373	3,400	3,000	2,500	2,200	31,405	97.4%
Reserves/Reserve Funds							
Development Charges							
Provincial/Federal						850	2.6%
Debt Recoverable							
Other Revenue							
Total Financing	**3,373**	**3,400**	**3,000**	**2,500**	**2,200**	**32,255**	**100.0%**
By Project Category:							
Health & Safety							
Legislated						850	2.6%
SOGR							
Service Improvement	3,373	3,400	3,000	2,500	2,200	31,405	97.4%
Growth Related							
Total by Project Category	**3,373**	**3,400**	**3,000**	**2,500**	**2,200**	**32,255**	**100.0%**
Asset Value($) at year-end							
Yearly SOGR Backlog Estimate (not addressed by current plan)							
Accumulated Backlog Estimate (end of year)							
Backlog: Percentage of Asset Value (%)							
Debt Service Costs	405	406	402	352	295	3,550	
Operating Impact on Program Costs							
New Positions							

Key Changes to the 2013 - 2022 Approved Capital Plan

**Changes to the 2013 -2022 Approved Capital Plan
(In $000s)**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
– • 2013 - 2022 Capital Budget & Plan	4,611	4,118	3,601	3,392	3,388	3,363	3,373	3,400	3,000	2,500	
—— 2014 - 2023 Capital Budget & Plan		4,060	3,579	3,392	3,388	3,363	3,373	3,400	3,000	2,500	2,200
Change %		-1.4%	-0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Change $		-58	-22	0	0	0	0	0	0	0	

The 2014 Capital Budget and the 2015 - 2023 Capital Plan reflects a decrease of $0.080 million from the 2013 to 2022 Approved Capital Plan.

Changes to the 2013 – 2022 Approved Capital Plan arise from a reprioritization of Toronto Public Health's capital projects, resulting from a review of the program's capital projects to leverage corporate solutions, maximize resources, follow Provincial requirements, while taking into account business application readiness to proceed, available provincial funding and updated project cost estimates.

The following chart details the key project cash flow changes to the 2013-2022 Approved

Capital Plan:

**Summary of Project Changes
(In $000s)**

|	Total Project Cost	2014 Gross	2014 Debt	2015 Gross	2015 Debt	2016 Gross	2016 Debt	2017 Gross	2017 Debt	2018 Gross	2018 Debt	2014 - 2018 Gross	2014 - 2018 Debt	2014 - 2022 Gross	2014 - 2022 Debt	Revised Total
Previously Approved																
Web re:Brand	2,130	(201)	(201)	(334)	(334)							(535)	(535)	(535)	(535)	1,595
HF/HL Point of Care	4,860	3	3	105	105							108	108	108	108	4,968
CDC Wireless Rollout	1,438	602	602	719	719	684	684					2,005	2,005	567	567	2,005
Datamart/Data Warehouse	4,674	(1,081)	(1,081)	(319)	(319)	(19)	(19)	71	71	145	145	(1,203)	(1,203)	(963)	(963)	3,711
Document & Records Mgmt	2,795			(171)	(171)	2	2	1	1	(443)	(443)	(611)	(611)	1	1	2,796
Dental & Oral Health Info System	2,103					(300)	(300)	(159)	(159)	279	279	(180)	(180)	(210)	(210)	1,893
TPH State of Good Repair	8,338					(367)	(367)	87	87	19	19	(261)	(261)	1	1	8,339
Internet & Intranet Strategy Implementation	2,547													(143)	(143)	2,404
Public Health Service Delivery transformation & Enablement	2,714													497	497	3,211
Infectious Disease Control Information System	2,391	(58)		(22)								(80)		(80)		2,311
Total Previously Approved	33,990	(735)	(677)	(22)								(757)	(677)	(757)	(677)	33,233
New																
Healthy Environments Inspection System 2014		677	677									677	677	677	677	677
Total New		677	677	(22)								677	677	677	677	677
Total Changes	33,990	(58)		(22)								(80)		(80)		33,910

- *Web re:Brand Project ($0.535 million reduction)*: The cash flow funding for the *Web re:Brand* project has been decreased by $0.535 million. In 2013, the City-wide Web Revitalization project adopted a new approach to migrate the existing web content (for the entire City's web site) to Web Content Management (WCM). To comply with the new direction, TPH will freeze and migrate its existing web content in 3 stages in 2013 and

complete the planned content review to streamline its content in 2014. As a result of this new approach and the accelerated implementation of the enhanced WCM solution, the project is expected to be completed in 2014 instead of 2015 with fewer resources and reduced costs.

- *HF/HL Point of Care project ($0.108 million increase):* The cash flow funding for the *HF/HL Point of Care* project has been increased by $0.108 million, following revised salary and benefit cost assumptions.

- *CDC Wireless Rollout project ($0.567 million increase):* The cash flow funding for the *CDC Wireless Rollout* project has been increased by $0.567 million. The project scope was expanded to include VPD Cold Chain and Personal Service Setting services (PSS). In addition, the project has been accelerated from 2019 to 2014 as a result of technology and business application readiness and an increased pressure from the Province to improve CDC service delivery.

- *TPH Datamart Data Warehouse project ($0.963 million reduction):* The cash flow funding for *TPH Datamart Data Warehouse* has been decreased by $0.963 million. A part of the 2013 available funding ($0.374 million) for the *Healthy Environment Inspection System* project is being used to complete some deliverables for Phase II of the *Datamart Data Warehouse* project that were originally planned for 2014. The balance of planned deliverables are scheduled to be implemented in 2016. The changes to the project schedule and completion of some deliverables in 2013 instead of 2014 has resulted in a decrease in cash flow funding of $0.963 million.

- *Infectious Disease Control Information System* ($0.080 million reduction): Funding for the 100% Provincially funded *Infectious Disease Control Information System* project has been reduced by $0.058 million in 2014 and $0.022 million in 2015, taking into account the revised Provincial funding available for this project. The project scope and deliverables, including scheduled end date of March 31, 2015 has not changed.

- *Healthy Environments (HE) Inspection System* project 2014 ($0.677 million): TPH has included a new project, the *Healthy Environments Inspection System* project at a cost of $0.677 million in 2014 to provide Public Health Inspectors remote access to the Toronto Healthy Environments Information System (THEIS) by leveraging corporate Remote Computing System (RCS) mobile solution utilized by Municipal Licensing & Standards.

2014 – 2023 Capital Plan

2014 – 2023 Capital Plan by Project Category
(In $000s)
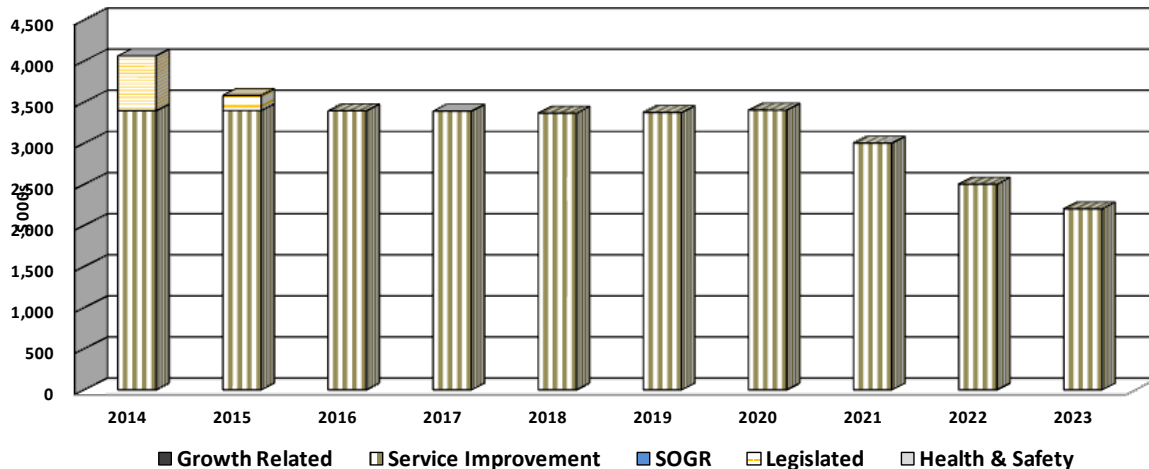
The 10-Year Capital Plan for Toronto Public Health of $32.255 million provides funding for 1 Legislated project of $0.850 million and 11 Service Improvement projects of $31.405 million.

- Legislated projects account for $0.850 million and represent 3% of the total projects, at a cost of $0.667 million in 2014; and $0.183 million in 2015. Previously approved, the *Infectious Disease Control Information System* project is Provincially legislated, 100% funded by the Province and focuses on the development of pan-Canadian Panorama System design to ensure the system meets specific infectious disease control requirements for TPH.

- Service Improvement projects represent 97% or $31.405 million of total project funding in the 10-Year Capital Plan:

  ➢ Average capital funding for these projects remains fairly constant at $3.386 million from 2014-2020. Starting in 2016, average funding of $1.224 million will be allocated towards TPH's State of Good Repair project to maintain/enhance or replace existing software/applications.

  ➢ In the first five years, funding of $16.932 million will enable TPH to complete four capital projects (*Web re:Brand*, *Healthy Environment Inspection System, Communicable Diseases Control Wireless Rollout, HF/HL Point of Care*) and begin the *TPH Datamart/Data Warehouse*, the *Document and Record Management, TPH State of Good Repair* and the *Dental & Oral Health Information System* projects.

  ➢ The balance of $14.473 million to be provided in the second five years, will fund the completion of two projects: *the Internet and Intranet Strategy Implementation* project and the *Public Health Service Delivery Transformation & Enablement* project, while providing funding for *TPH State of Good Repair Project*.

2014–2023 Capital Plan by Funding Source
(In $000s)
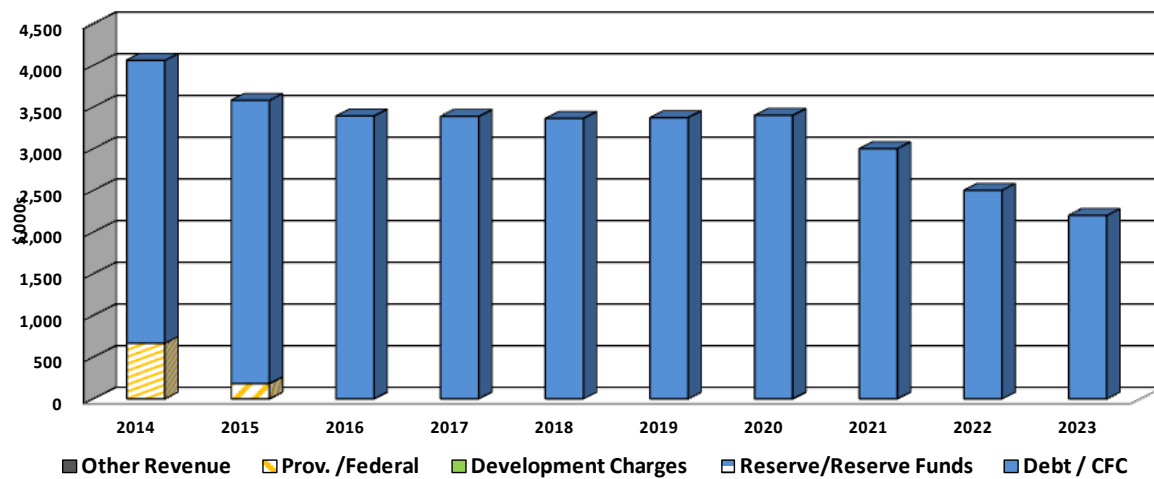
The 10-Year Capital Plan of $32.255 million has 2 funding sources: debt and Provincial grant funding.

- Debt accounts for $16.932 million or 95.2% of the financing for the 2014 Budget and 2015 – 2018 Capital Plan and amounts to $31.405 million or 97.4% of the 10-Year Capital Plan and meets the debt affordability target for each year of the 10-Year Capital Budget and Plan period.

- The 2014-2023 Capital Budget and Plan includes one legislated, 100% Provincially funded *Infectious Disease Control Information System (IDCIS)* project with a cost of $0.850 million that focuses on the development of pan-Canadian Panorama System requirements and design to ensure the system meets the specific infectious disease control requirements for TPH.

Major Capital Initiatives by Category

Summary of Major Capital Initiatives by Category
(In $000s)

	2014 Budget	2015 Plan	2016 Plan	2017 Plan	2018 Plan	2019 Plan	2020 Plan	2021 Plan	2022 Plan	2023 Plan	2014 - 2023 Total
Legislated											
Infectious Disease Control Information System	667	183									850
Sub-Total	**667**	**183**									**850**
Service Improvements											
Web reBrand	244										244
Healthy Environments Inspection System	677										677
CDC Wireless Rollout	602	719	684								2,005
HF/HL Point of Care	1,870	2,055									3,925
Dental & Oral Health Information System				525	988	380					1,893
Documents and Records Management System			1,021	868	295	612					2,796
TPH- State of Good Repair			793	1,010	1,110	1,390	1,273	1,007	1,756	1,455	9,794
TPH Datamart Data Warehouse		622	894	985	970	240					3,711
Internet & Intranet Strategy Implementation						751	680	839	134	135	2,539
Public Health Service Delivery Transformation and Enablement							1,447	1,154	610	610	3,821
Sub-Total	**3,393**	**3,396**	**3,392**	**3,388**	**3,363**	**3,373**	**3,400**	**3,000**	**2,500**	**2,200**	**31,405**
Total Expenditures by Category	**4,060**	**3,579**	**3,392**	**3,388**	**3,363**	**3,373**	**3,400**	**3,000**	**2,500**	**2,200**	**32,255**

Major Capital Initiatives

The 10-Year Capital Plan of $32.255 million comprised entirely of Information Technology projects supports TPH's strategic objective to invest in technology to streamline business processes. In addition, the 10-Year Capital Plan focuses on development and enhancement of systems for improved service delivery, while complying with Provincial mandatory reporting requirements.

Legislated

- The *Infectious Disease Control Information System (IDCIS)* project with total funding of $0.850 million is a Legislated project to develop and implement a province-wide Infectious Disease Control Information System, in conjunction with the Ministry of Health and Long Term Care (MOHLTC).

Service Improvements

- The *Web re:Brand* project requires cash flow funding of $0.244 million as the last phase to migrate TPH's current web content to Open Text Web Management Experience (OpenTextWEM) system and conduct content, structural and functional review of the web site to identify improvements necessary to enhance the functionality and usability of TPH's website.

- The *Healthy Environments Inspection System (HEIS)* project with total funding of $0.677 million will leverage corporate Remote Computing System (RCS) mobile technology employed by Municipal Licensing and Standards to provide mobile access to Public Health Inspectors.

- The *CDC Wireless Rollout* project will provide funding of $2.005 million for wireless devices for staff in Vaccine Preventable Disease (VBD), expand TB and Personal Service Setting

(PSS) programs to enter and access information remotely while in the field to improve and increase service delivery of the Communicable Disease Control (CDC) portfolio.

- The *HF/HL Point of Care* project will provide funding of $3.925 million and implement wireless devices which securely communicate with the TCHIS system and synchronize data between the mobile units and the TCHIS database. Implementing this project will enable the professional staff to access Provincial database remotely, completing mandatory documentation on time while improving customer service.

- The *Dental and Oral Health Information System* project will provide funding of $1.893 million and will assess the requirements not met by the Provincial dental and oral health system, with features, to support dental practice management, dental screening, and integration with provincial and private dental operation systems for dental screening and claims processing.

- The *Document and Records Management System* project will provide funding of $2.796 million for developing a system with improved search functionality, enhanced electronic storage and ease in sharing to promote higher staff productivity and improved customer service through quick access to these documents.

- The *Public Health Systems State of Good Repair project* will provide funding of $9.794 million, to enhance or replace software systems/applications that have reached their end of life due to their: 1) technical obsolescence; 2) inability to satisfy new security standards/legislation and protect personal and personal health information; and 3) inability to support new business requirements. The goal of this project is to ensure that critical business systems are sustained.

- The *TPH Datamart / Data Warehouse Phase 2* project will provide funding of $3.711 million to create an integrated health information environment for improved reporting, performance measurement and decision making across TPH programs to meet the Ministry of Health and Long Term care reporting requirements and the Ontario Public Health Standards. Once fully implemented this project will enable TPH and other stakeholders to make meaningful and informed decisions about public health programs and services.

- The *Internet and Intranet Strategy Implementation* project will provide funding of $2.539 million to explore various internet/intranet applications or solutions available for development or acquisition to meet TPH's business needs for public and client engagement.

- The *Public Health Enablement and Service Delivery Transformation* project will provide funding of $3.821 million to implement various priority initiatives identified through the development of the TPH IT Strategic Plan currently underway. These initiatives will incorporate innovation and transform client service delivery while supporting provincial and City's strategic directions and standards.

10-Year Capital Plan: Impact on the Operating Budget

- The 2014-2023 Capital Budget and Plan for TPH is comprised entirely of Information Technology projects to streamline business processes, provide efficiencies and improve service delivery. TPH is estimating operational savings of $1.136 million, beginning in 2015 following the completion of 3 projects, planned or underway mainly attributable to savings in administrative costs, automation and business processes and reduced transportation costs, which will be reinvested in the maintenance of IT applications as per the tables below.

HF HL Point of Care (POC)	
Financial Benefits and Annual Operationg Costs Description	Beginning 2016 ('000s)
Financial Benefits	
Reduced time for front line staff to manage client referrals and records, access knowledge base and coordinate and plan care - 4 FTE	$ (346)
Reduced time for management to produce and analyze staff service reports and program planning data - 1 FTE	$ (137)
Reduced time for support assistants to enter data and manage what was previously a paper-based system of client records - 1 FTE	$ (73)
Reduced meterage costs due to decreased need to go into the office to obtain client referrals, records, and health promotion information	$ (63)
Total Financial Benefits	$ (619)
Annual Operating Costs	
Support on-going operation of mobile devices used by 450 nurses / professionals including hardware setup and configuration, software configration and installation, hardware and software problem resolution, escalate issues when required, manage incidents, and answer technical	$ 195
Develop and revise curriculum and training materials to stay current with new software releases and technologies. Delivers end-user training in a high staff movement environment - 1 FTE	$ 94
Support mobile infrastructure management and configuration of corporate standard components and policies managed by I&T Division - 0.2 FTE	$ 20
Data and connectivity services for mobile devices	$ 225
Server hardware maintenance	$ 23
Replacement of obsolete mobile devices	$ 62
Total Operational Cost	$ 619
Financial Benefits vs. Annual Operating Costs	

HE Inspection System

Financial Benefits and Annual Operationg Costs Description		Beginning 2015 ('000's)
Financial Benefits		
Reduced time to prepare in the office for Food Safety inspections and Health Hazard investigations - 2 FTE	$	(198)
Reduced data plan costs due to reduced data transmission requirement of new solution	$	(18)
Total Financial Benefits	$	(216)
Annual Operating Costs		
Support on-going operation of mobile devices used by HE inspectors and investigators including hardware setup and configuration, software configration and installation, hardware and software problem resolution, escalate issues when required, manage incidents, and answer technical	$	99
Support and maintain Mobile application including modifications to support changing business needs and improvements to the user interface - 1 FTE	$	110
Data and connectivity services for additional mobile devices	$	7
Total Operational Cost	$	216
Financial Benefits vs. Annual Operating Costs		

CDC Wireless

Financial Benefits and Annual Operationg Costs Description		Beginning 2017 ('000's)
Financial Benefits		
Reduced time for support assistants within the VPD Immunization program to enter data and print inspection forms - 1.7 FTE	$	(127)
Reduced time for support assistants within the Personal Service Setting program to enter data from paper inspection records into complex database - 1 FTE	$	(84)
Reduced requirement for Personal Service Setting inspectors to travel to the office to deliver forms and reduced office preparation time - 0.56 FTE	$	(56)
Reduced time for TB DOT home visitors to enter data in the office - .5 FTE	$	(34)
Total Financial Benefits	$	(301)
Annual Operating Costs		
Support on-going operation of mobile devices (connected to TB DOT, CCIS, Panorama, and ICIS	$	204
Data and connectivity services for mobile devices	$	97
Total Operational Cost	$	301
Financial Benefits vs. Annual Operating Costs		

Capital Project Delivery: Temporary Positions

Position Title	CAPTOR Project Number	# of Positions	Project Delivery		2014	2015	2016	2017 to 2023
			Start Date	End Date				
HF/HL Point of Care	**TPH907777**							
Senior Systems Integrator PH		1.000	January 1, 2014	December 31, 2014	144.13	146.87		
Application & Technical Support Specialist 1		1.000	January 1, 2014	December 31, 2014	101.96	104.21		
Application & Technical Support Specialist 2		1.000	January 1, 2014	December 31, 2014	96.62	197.72		
Application & Technical Support Specialist 2		0.500	January 1, 2014	June 30, 2014	48.31			
Systems Integrator 1		3.000	January 1, 2014	December 31, 2014	322.62	439.80		
Systems Integrator 2		4.000	January 1, 2014	December 31, 2014	386.52	296.58		
Health Promotion Consultant		1.000	January 1, 2014	December 31, 2014	107.54	109.95		
Public Health Nurse		3.000	January 1, 2014	December 31, 2014	289.88	296.59		
Support Assistant B		0.250	January 1, 2014	December 31, 2014	18.50	18.90		
ITD - Application & Technical Support Specialist 1		1.000	January 1, 2014	December 31, 2014	99.12	99.12		
		15.750			**1,615.20**	**1,709.74**		
Web re:Brand Project	**TPH907766**							
Senior Systems Integrator PH		1.000	January 1, 2014	December 31, 2014	144.13			
Systems Integrator 1		0.920	February 1, 2014	December 31, 2014	98.58			
	Sub-total	**1.920**			**242.71**			
Infectious Disease Control Information System	**TPH907843**							
Senior Systems Integrator PH		1.000	January 1, 2014	December 31, 2014	144.80	36.92		
Systems Integrator 2		1.000	January 1, 2014	December 31, 2014	96.93	24.72		
Systems Integrator 2		0.580	January 1, 2014	July 31, 2014	59.60			
Systems Integrator 2		1.000	January 1, 2014	December 31, 2014	96.93			
Support Assistant B		1.000	January 1, 2014	December 31, 2014	66.67	17.00		
Support Assistant A		1.000	January 1, 2014	December 31, 2014	67.89	-		
Public Health Nurse		1.000	January 1, 2014	December 31, 2014	74.20	18.85		
Consultant Health Promotion		0.580	January 1, 2014	July 31, 2014	59.60	24.72		
Publich Health Nurse		0.000				18.85		
Public Health Inspector		0.000				24.62		
Epidemiologist		0.000				17.73		
	Sub-total	**7.160**			**666.62**	**183.41**		
Healthy Environment Inspection System	**TPH907768**							
Systems Integrator 1		3.000	January 1, 2014	December 31, 2014	322.62			
Systems Integrator 2		1.000	January 1, 2014	December 31, 2014	96.63			
Public Health Inspector		1.000	January 1, 2014	December 31, 2014	96.63			
Public Health Inspector		0.500	January 1, 2014	June 30, 2014	48.03			
ITD-Senior Technical Support Specialist 1		0.070	January 1, 2014	January 26, 2014	9.91			
ITD-Senior Systems Integrator		0.250	January 1, 2014	March 31, 2014	36.00			
	Sub-total	**5.820**			**609.82**			
CDC Wireless	**TPH907776**							
Systems Integrator 1		1.000	January 1, 2014	December 31, 2014	107.54	109.95	111.09	
Systems Integrator 2		1.000	January 1, 2014	December 31, 2014	96.63	98.86	99.88	
Application & Technical Support Specialist 2		2.000	January 1, 2014	December 31, 2014	193.25	197.72	199.77	
Public Health Nurse		1.000	January 1, 2014	December 31, 2014	96.63	98.86		
Public Health Inspector							99.88	
	Sub-total	**5.000**			**494.05**	**505.39**	**510.62**	
Total		**35.65**			**3,628.40**	**2,398.54**		

The 2014 Capital Budget will require 35.7 temporary positions to deliver the following capital projects:

- *HF/HL Point of Care* project (15.8 temporary positions): This project will allow secure ePass enabled mobile and wireless connectivity with the TCHIS system and synchronize data between the mobile units and TCHIS database.

- *Web re:Brand* project (1.9 temporary positions): This project will redesign TPH website and implement content management software to automate the web posting process.

- *Infectious Disease Control System* project (7.2 temporary positions): This project will implement a national public health system which will encompass an immunization information system, a vaccine ordering and distribution system, health alerts and a case, contact, and outbreak management system for reportable diseases.

- *Healthy Environments (HE) Inspection System* project 2014 (5.8 temporary positions): This project will provide Public Health Inspectors remote access to the Toronto Healthy Environments Information System (THEIS). The corporate Remote Computing System (RCS) mobile solution utilized by Buildings and Municipal Licensing will be leveraged to provide mobile functionality to inspectors.

- *Communicable Disease Control (CDC) Wireless Rollout* project – 2014 to 2016 (5.0 temporary positions) - This project will enable staff in the Vaccine Preventable Disease (VPD), TB and Personal Service Settings (PSS) components of the Control of Infectious Disease /Infection Control (CID/IC) programs to enter and access data directly from health information management systems while in the field. Wireless technology will be used to improve CDC business processes and service to clients.

City Council approved 35.7 temporary capital positions for the delivery of new 2014 – 2023 capital projects / sub-projects and that the duration for each temporary position will not exceed the life of the funding of its respective capital projects / sub projects.

Capacity to Spend

Capacity to Spend – Budget vs. Actual
(In $000s)

Gross Budget Expenditures   Total Adj. Cfwd from Prior Year   Actual Spending
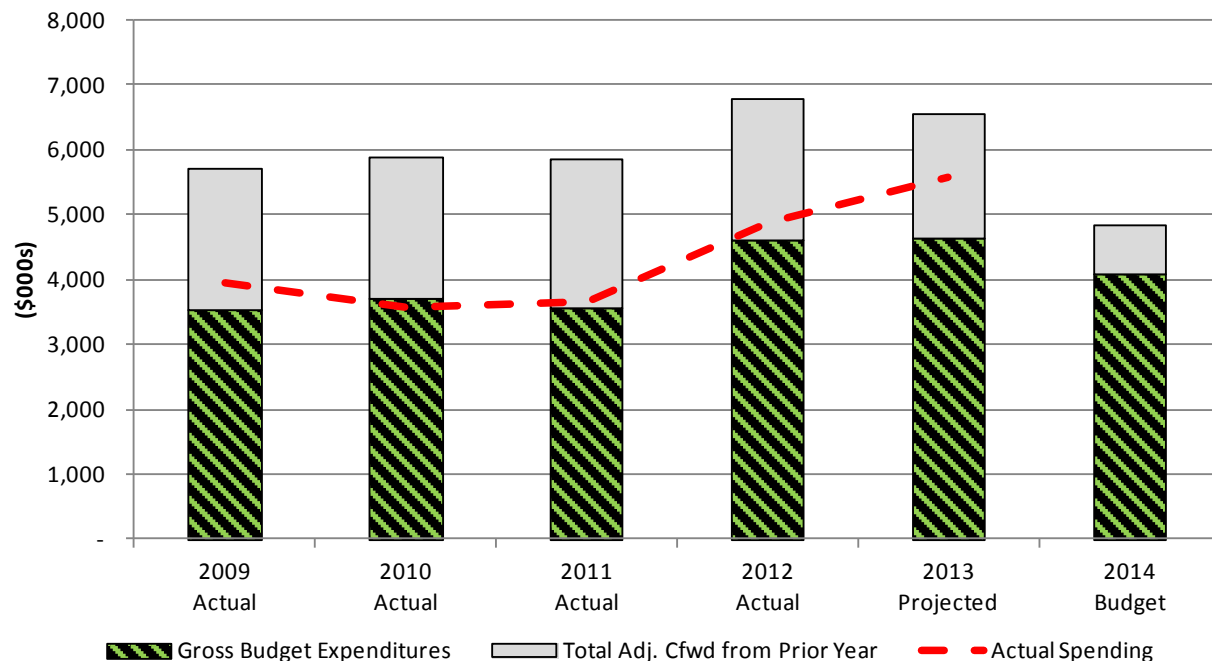
As noted in the graph above, and in the following table, Toronto Public Health's average spending from 2009 through 2012 ranged from a low of 60.8% to a high of 71.8% of the planned expenditures.

($000s)	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Projected	2014 Budget	2009-2012 Average
Gross Budget Expenditures	3,499	3,688	3,539	4,581	4,611	4,060	3,827
Total Adj. Cfwd from Prior Year	2,178	2,182	2,300	2,197	1,911	749	2,214
Total Plan	5,677	5,870	5,839	6,778	6,522	4,809	6,041
Actual Spending	3,940	3,568	3,642	4,866	5,566		4,004
% Spent	69.4%	60.8%	62.4%	71.8%	85.3%		66.3%

- Toronto Public Health's 5-year historical spending rate averages 66% of the planned cash flow funding (including carry forward funding from prior year).

- TPH's spending rate has been affected in the past by various factors including, alignment of project deliverables with provincial/ corporate timelines, timely hiring of qualified staff and delivery of software/ hardware by vendors etc.

- The 2014 Capital Budget and 2015-2023 Capital Plan has been established on the basis of project readiness to proceed.

IV: 2014 CAPITAL BUDGET

2014 Capital Budget by Project Category and Funding Source

2014 Capital Budget by Project Category ($4.060 Million)	2014 Capital Budget by Funding Source ($4.060 Million)
Legislated, $0.7, 16% Service Imp., $3.4, 84%	Provincial /Federal, $0.7, 16% Debt, $3.4, 84%
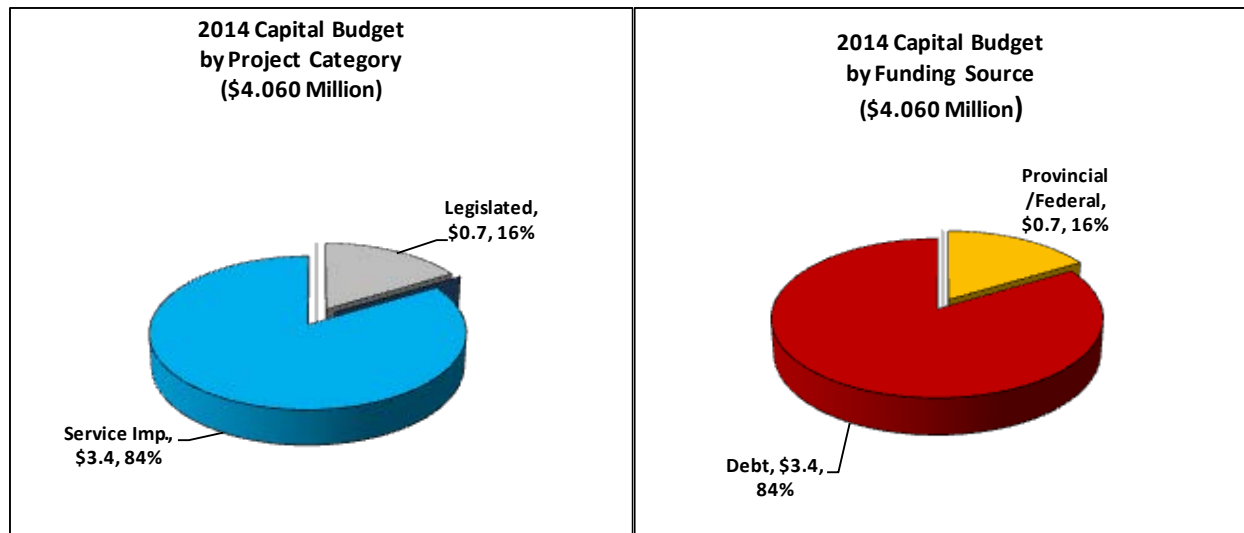
Note: Excludes carry forward funding

- The 2014 Capital Budget, excluding funding carried forward from 2013 to 2014, requires new 2014 cash flow funding of $4.060 million.

- Funding of $0.667 million or 16.0% of the 2014 Capital Budget is allocated to fund Phase 2 of the previously approved, *the Infectious Disease Control Information System* project which is fully funded by the Province.

- Service Improvement projects total $3.393 million and represents 84.0% of the 2014 Capital Budget's project funding. These projects include the *Web re:Brand* ($0.244 million), *Healthy Families/Healthy Living (HF/HL) Point of Care System* project ($1.870 million), and two new projects *Healthy Environment Inspection System* ($0.677 million) and *CDC Wireless Rollout Project* ($0.602 million).

- The 2014 Capital Budget for Toronto Public Health is funded primarily from debt, which accounts for 84.0% or $3.393 million of total financing. This meets the debt affordability of $3.393 million set for TPH for 2014.

- Provincial funding of $0.850 million representing 16.0% of the 2014 Capital Budget's funding sources will finance the Legislated project*, Infectious Disease Control Information System*.

2014 Cash Flow & Future Year Commitments
(In $000s)

	2012 & Prior Year Carry Forward	2013 Previously Approved Cash Flow Commitments	2014 New Cash Flow	2014 Total Cash Flow	2013 Carry Forwards	Total 2014 Cash Flow (Incl 2013 C/Fwd)	2015	2016	2017	2018	2019	2020	2021	2022	2023	Total Cost
Expenditures																
Previously Approved	3,037		3,037	749	3,786	2,489										6,275
Change in Scope		(256)	(256)		(256)	(251)										(507)
New			1,279	1,279		1,279	719	684								2,682
New w/Future Year																
Total Expenditure	3,037	1,023	4,060	749	4,809	2,957	684									8,450
Financing																
Debt	2,312	1,081	3,393	749	4,142	2,774	684									7,600
Other																
Reserves/Res Funds																
Development Charges																
Provincial/Federal	725	(58)	667		667	183										850
Total Financing (including carry forward funding)	3,037	1,023	4,060	749	4,809	2,957	684									8,450

The 2014 Capital Budget for TPH is $4.809 million including carry forward funding. It includes funding of $3.037 million for 3 previously approved projects, $1.279 million for 2 new projects, a reduction of $0.256 million to reflect a change in 3 projects, and $0.749 million in funding carried forward from 2013 into 2014 for 3 previously approved projects.

The 2014 Capital Budget will result in future year commitment of $2.957 million in 2015 and $0.684 million in 2016.

- Funding of $3.037 million is required for previously approved projects currently underway: the *Web re:Brand*, *HF/HL Point of Care* and *Infectious Disease Control System* projects.

- New projects requiring cash flow funding of $1.279 million in 2014 include:

  - The *Healthy Environments Inspection System 2014 project ($0.*677 million): will provide Public Health Inspectors remote access to the Toronto Healthy Environments Information System (THEIS). The corporate Remote Computing System (RCS) mobile solution utilized by Municipal Licensing & Standards will be leveraged to provide mobile functionality to inspectors. Once implemented, this solution will result in service improvements through elimination of duplicate data entry and reduction of travel time.

  - The *CDC Wireless Rollout* project ($0.602 million) will enable staff in the Vaccine Preventable Disease (VPD), TB and Personal Service Settings (PSS) components of the Control of Infectious Disease /Infection Control (CID/IC) programs to enter and access data remotely from health information management systems. Wireless technology will be used to improve CDC business processes and service to clients.

- The change in scope of $0.256 million in 2014 and a further reduction of $0.251 million in 2015, reflects project cost reduction for the *Web re:Brand* project ($0.201 million) due to a new approach to migrate existing web content and accelerated implementation of the enhanced WCM solution; the project cost increase to *HF/HL Point of Care* project ($0.003 million) due to revised salary and benefit cost assumptions; and project cost reduction for the *Infectious Disease Control System* project ($0.058 million) due to reduced funding for the 100% Provincially funded project.

2014 Capital Project Highlights

2014 Capital Project Highlights
(In $000s)

Project	Total Project Cost	2014	2015	2016	2017	2018	2014 - 2018	2019	2020	2021	2022	2023	2014 - 2023 Total
Web reBrand Project	1,595	270					270						270
HF/HL Point of Care	4,968	2,235	2,055				4,290						4,290
Infectious Disease Control Systems	2,311	667	183				850						850
Healthy Environment Inspection System 2014	3,484	677					677						677
CDC Wireless Rollout	2,005	602	719	684			2,005						2,005
HF/HL Systems Integration	5,379	358					358						358
Total (including carry forward funding)	**19,742**	**4,809**	**2,957**	**684**			**8,450**						**8,450**

The 2014 Capital Budget provides funding of $4.809 million to:

▪ Begin the *CDC Wireless Rollout* project ($0.602 million) that will provide wireless devices for staff in Vaccine Preventable Disease (VPD), VPD cold chain and Personal Service Setting (PSS) services to enter and access information remotely.

▪ Complete the following:

➢ The *Web Re:Brand* project ($0.270 million) that will redesign the TPH website and implement content management software to automate the web posting process in order to improve the accuracy, relevance and timeliness of web content to the public;

➢ The *Healthy Environment Inspection System* project ($0.677 million) that will provide Public Health Inspectors remote access to the Toronto Healthy Environments Information System (THEIS); and,

➢ The *HF/HL Systems Integration* project ($0.358 million) that will develop and integrate several different systems into the Toronto Community Health Information System (TCHIS) framework including the Provincial Integrated Services for Children Information System (ISCIS).

▪ Continue the implementation of the following projects expected to be completed in 2015:

➢ The *Infectious Disease Control System* project ($0.667 million) that will implement a new national public health system which will encompass an immunization information system, a vaccine ordering and distribution system, health alerts and a case, contact, and outbreak management system for reportable diseases.

➢ The *Healthy Families/Healthy Living (HF/HL) Point of Care System* project ($2.235 million) to implement wireless devices which will securely communicate with the TCHIS system and synchronize data between the mobile units and TCHIS database.

V: ISSUES FOR DISCUSSION

Key Program Issues

TPH's Investment in Technology Projects

The 2014 Capital Budget and 2015-2023 Capital Plan of $32.255 million for TPH is entirely comprised of Information Technology projects to support its five strategic IT priorities as below:

1. Meet Provincial Requirements for Data Collection and Information Management.

   TPH must comply with Provincial legislation and standards around the collection and protection of personal and public health information.

2. Increase Capacity to Meet Provincial Standards within Current Funding Envelope

   TPH is committed to delivering services that meet community health needs and comply with the Ontario Public Health Standards while making wise use of human and financial capital. IT investments capitalize on any opportunities to automate work and increase the capacity of staff to meet required standards of service.

3. Improve the Quality of Service and Effectiveness of Service Providers.

   In support of TPH's commitment to excellence by ensuring continuous improvement in organizational performance, the capital program strives to provide staff with the tools they need to enhance performance and provide high quality service to our clients.

4. Improve Decision Making and Accountability.

   Information technology has a key role to play in supporting TPH's objectives of service excellence and accountability to the Board of Health, the Government of Ontario, and to the people of Toronto through the use of evidence to support the design and delivery of programs, and the implementation an organizational performance management framework.

5. Increase Public Access to Information and Self Service Options.

   Technology has an important role in meeting the public's demands for service 24/7 and the growing use of the internet to access information.

As such, TPH's investment in Information Technology for service delivery improvements continues to drive its Capital Program.

The 10-Year Capital Budget and Plan for TPH includes funding for 11 IT projects, which include developing new systems, such as *Document and Records Management System* project for $2.796 million, *TPH Datamart/Data Warehouse Phase 2* project for $3.711 million, implementing wireless devices for remote access and integrating with existing TPH and provincial systems, such as *CDC Wireless Rollout* for $2.005 million and *HF/HL Point of Care* for $3.925 million.

TPH currently has over 50 individual public health applications that support its strategic IT priorities. TPH is also in the process of developing an IT strategy to further identify IT solutions for addressing its future requirements, with support from the Chief Information Officer, which is expected to be completed prior to the submission of the 2015-2024 Capital Budget and Plan. During the development of TPH's IT Strategy, further opportunities to leverage corporate initiatives or enterprise technology solution will be reviewed and identified through the review of the e-City, e-Service, and e-Management strategies.

TPH State of Good Repair Project

As TPH continues to invest in Information Technology for service improvements, with $21.611 million or 69% included in the 10-Year Capital Plan, a significant portion, $9.794 million or 31% of the funding in TPH's 10-Year Capital Plan is dedicated towards maintaining the growing systems and applications in a state of good repair.

With over 50 applications spread across various TPH programs, there will be a need for ongoing system upgrades and enhancements to enable TPH to continue to meet its business and legislated requirements. In comparison to the 2013-2022 Approved Capital Plan for TPH, the 2014-2023 Capital Plan includes increased funding for Public Health Systems State of Good Repair project of $1.456 million or 18% representing additional investment required for maintaining *Healthy Environments Information System (THEIS)* application. Over the next 10 years, a number of software systems/applications that will have reached their end of life will need to be replaced, such as the *Sexual Health Clinic Information System (SHCIS)* for $1.163 million, and *Infection Control Information system (ICIS)* for $1.373 million.

There is an immediate need to integrate and consolidate the wide range of applications currently deployed by TPH which will be exacerbated as new system enhancements or applications are identified for implementation.

The following table provides details of the 26 systems/applications (total 50) due for replacement over the next 10 years and the year of replacement:

System Name	Year Implemented	Planned Replacement Year	Estimated Costs
ICIS - Infection Control Information System	2005	2016	1,373
ICIS Reporting Application	2002	2010	301
SHCIS - Sexual Health Clinic Information System	2008	2016	1,163
Provincial Financial Reporting	2000	2012	237
HE Inspection Forms	2002	2017	57
THEIS QA	2002	2010	66
THEIS Support Tracking System	2002	2010	87
Integrated Services for Children Information System (ISCIS)	2007	2021	265
Food Handler Certificate Program	2009	2019	318
TPH Advisories - Beaches Water Quality Reporting and Maintenance	2011	2021	185
TPH Advisories - Heat Alerts	2011	2021	215
PSL ISCIS	1995	2021	264
ChemTRAC Communication Management	2011	2021	185
ChemTRAC Public Chemical Reporting	2011	2021	237
ChemTRAC Registration	2011	2021	185
DineSafe	2012	2022	265
One-on-One Mentoring	2007	2014	246
Eat Smart (Workplace, primary schools and secondary schools)	1999	2017	226
Preschool Speech & Language Database	1998	2008	521
Mobile Application RCS	2014	2022	318
Health Options at Work	2012	2022	143
Provincial Reporting System - Variance Reporting	2012	2022	153
Health Emergency Information System	2012	2021	197
Toronto Healthy Environments Information System (THEIS)	2002	2021	2,184
ChemTRAC Open Data	2012	2022	191
HE Reporting	2012	2022	212
Total			**9,794**

Although investments in Information Technology are essential for TPH to continue to meets its service objectives and the growing demand for real time information for decision making, it is critical that costs to maintain the applications are contained and minimized by leveraging Corporate resources, a wide range of expertise and technology investments.

City Council requested that the Medical Officer of Health, in consultation with the Chief Information Officer ensure that:

a. There is an alignment of TPH IT strategy with Corporate IT strategy;

b. The existing stand-alone applications are integrated into larger, cost effective solutions, whenever feasible and;

c. Any future technology solutions identified are cost effective, leverage Provincial or City initiatives and can be integrated with the existing tools or applications.

It is further requested that the Medical Officer of Health to report back on TPH's IT Strategy and Plan in time for the 2015 Budget process.

Issues Referred to the 2014 Capital Budget Process

Toronto Public Health 2014 – 2023 Capital Budget and Plan Request

- The Board of Health (BOH) at its meeting of November 4, 2013 considered HL 25.7 entitled "Toronto Public Health 2014-2023 Capital Budget and Plan Request" and recommended to the Budget Committee for its consideration during the 2014 budget process:

  1. City Council approve a 2014 Recommended Capital Budget for Toronto Public Health with a total project cost increase of $2.157 million and a 2014 cash flow of $4.418 million and future year commitments of $3.641 million. The 2014 Capital Budget is comprised of the following:

     a. new cash flow funding for:

         i.   two new sub-projects and three change in scope sub-projects with a 2014 total project cost increase of $2.175 million that requires an increase in cash flow of $1.023 million in 2014 and future year commitments of $0.468 million in 2015; and $0.684 million in 2016; and

         ii. three previously approved sub-projects with a 2014 cash flow of $3.037 million and future year commitments of $2.489 million in 2015.

     b. 2013 approved cash flow for one previously approved sub-project with carry forward funding from 2013 into 2014 totalling $0.358 million.

The 2014-2023 Capital Plan presented here is consistent with the Board of Health's recommendation except that the approved carry forward funding is higher by $0.391 million based on updated Third Quarter projections to year-end compared to the Board's submission for carry forward funding that was based on Second Quarter projections to year-end.

- As part of the approval of TPH's 2013-2022 Capital Budget and Plan, City Council approved the following two recommendations:

  1. City Council requested that the Medical Officer of Health, in consultation with the Chief Information Officer, review, in time for the 2014 Budget process, TPH's Priority Directions to identify opportunities to leverage corporate initiatives planned or underway to consolidate systems into larger cost effective solutions.

     Status: TPH continues to work in collaboration with the Chief Information Officer (CIO), to ensure that TPH's Priority Directions are being leveraged or supported by corporate initiatives.
     The CIO is developing a Managed Application Portfolio (MAP) for the City which will become the definitive and authoritative inventory of all business applications and data sources, across programs, and will address and ensure alignment to the appropriate business capabilities. This project is currently in the design phase and is expected to be deployed in 2014.

2. City Council requested that the Medical Officer of Health, in consultation with the Chief Information Officer, develop in time for the 2014 Budget process, a review process to prioritize the replacement of obsolete applications and identify opportunities to leverage corporate initiatives and integrate or develop more cost effective solutions to maximize the use of limited financial resources.

   Status: TPH continues to actively participate in the development of 2 Corporate IT initiatives, expected to be rolled out in 2014.

   ➢ A City-wide review process (MAP) tool which will become the definitive and authoritative inventory of all business applications and data sources, across programs, and will address and ensure alignment to the appropriate business capabilities; and

   ➢ The enhancement of the IT Portfolio Builder tool which will capture useful information for proposed initiatives to improve: planning and estimation; identification of dependencies, key deliverables and resource demands; and alignment with e-City strategy to eliminate duplication of effort among Divisions.

   The completion of the two Corporate initiatives as above will inform the TPH IT strategy to replace and consolidate its applications and leverage corporate/ divisional initiatives planned or underway.

Appendix 1

2013 Performance

2013 Key Accomplishments

In 2013, TPH accomplished the following:

✓ Completed the *Datamart Data Warehouse Phase 1* project to develop a Data Warehouse / Business Intelligence Solution that consolidates information from various applications and data sources to support analysis and decision making by various programs and performance measurement and reporting including those required by the Province in compliance with the new Ontario Public Health Organization Standards.

✓ Continued work on the *HF/HL Systems Integration* project which will develop and integrate several different systems into the Toronto Community Health Information System (TCHIS) framework including the provincial Integrated Services for Children Information System (ISCIS).

✓ Continued work on the *Web Re:Brand* project that will redesign the TPH website and implement content management software to automate the web posting process in order to improve the accuracy, relevance and timeliness of web content.

✓ Continued work on the *Infectious Disease Control System* project that will implement a new national public health system which will encompass an immunization information system, a vaccine ordering and distribution system, health alerts and a case, contact, and outbreak management system for reportable diseases.

2013 Capital Variance Review

2013 Budget to Actual Comparison
(In $000s)

2013 Approved	Actuals as of Sept. 30, 2013 (3rd Quarter Variance)		Projected Actuals at Year End		Unspent Balance	
$	$	% Spent	$	% Spent	$ Unspent	% Unspent
6,522	3,819	58.6%	5,566	85.3%	956	14.7%

Capital expenditures for the nine month period ending September 30, 2013 totaled $3.819 million or 58.6% of the 2013 Approved Capital Budget of $6.522 million.

The Program's year-end expenditures are expected to be $5.566 million or 85.3% of the 2013 Approved Capital Budget. The projected year-end under-spending is largely attributable to the following projects:

- *HF/HL Systems Integration*: The HF/HL System Integration project's capital expenditures totaled $1.505 million representing 60.2% of the 2013 approved cash flow of $2.499 million for the nine months ended September 30, 2013. Integration between the Provincial ISCIS application and TPH TCHIS application has been deferred by the province until 2014 which necessitates the deferral of hiring of staff until 2014 to complete this integration and associated records retention functionality. It is estimated that $2.141 million or 85.7% of the approved 2013 cash flow will be spent by year-end, resulting in funding of $0.358 million to be carried forward into 2014.

- *Web re:Brand*: The *Web re:Brand* project's capital expenditures totaled $0.296 million representing 47.1% of the 2013 approved cash flow of $0.603 million for the nine months ended September 30, 2013. The first stage of the migration plan developed with the corporate Web Revitalization project has been completed. Due to delays in corporate procurement of PDF document conversion contracted services, it is estimated that $2.141 million or 85.7% of the approved 2013 cash flow will be spent by year-end, resulting in $0.026 million to be carried forward into 2014.

- *Infectious Disease Control Information System*: The *Infectious Disease Control Information System* project's capital expenditures totaled $0.409 million representing 69.6% of the 2013 approved cash flow of $1.343 million for the nine months ended September 30, 2013. This project is forecasted to spend $1.136 million or 84.6% of its 2013 cash flow of $1.343 million. The projected under expenditure at year end totalling $0.207 million is due to reduction in Provincial funding.

- *HF/HL Point of Care*: The *HF/HL Point of Care* project's capital expenditures totaled $0.468 million representing 44.9% of the 2013 approved cash flow of $1.043 million for the nine months ended September 30, 2013. Due to delays in establishing enterprise Mobile Device Management infrastructure to support current generation of mobile devices and corporate upgrade of Oracle software, it is estimated that $0.678 million or 65% of the approved 2013 cash flow will be spent by year-end, resulting in funding of $0.365 million to be carried forward into 2014.

Appendix 2

10-Year Capital Plan Project Summary
(In $000s)

Project	2014 Budget	Plan 2015	2016	2017	2018	2019	2020	2021	2022	2023	2014 - 2023
Infectious Disease Control Information System	667	183									850
Web reBrand	270										270
Healthy Environment Inspection System	677										677
CDC Wireless Rollout	602	719	684								2,005
HF/HL Point of Care	2,235	2,055									4,290
Dental & Oral Health Information System				525	988	380					1,893
Documents and Records Management System			1,021	868	295	612					2,796
TPH- State of Good Repair			793	1,010	1,110	1,390	1,273	1,007	1,756	1,455	9,794
TPH Datamart Data Warehouse		622	894	985	970	240					3,711
Internet & Intranet Strategy Implementation						751	680	839	134	135	2,539
Public Health Service Delivery Transformation and Enablement							1,447	1,154	610	610	3,821
HF/HL Systems Integration	358										358
Total (Including carry forward funding)	**4,809**	**3,579**	**3,392**	**3,388**	**3,363**	**3,373**	**3,400**	**3,000**	**2,500**	**2,200**	**33,004**

Appendix 3

2014 Capital Budget;
2015 to 2023 Capital Plan

Report Phase 5 - Program 33 Toronto Public Health Program Phase 5   Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2,S5,S6   Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO Gross Expenditures ($000's)

Appendix 3: Council Approved Capital Budget: 2015 to 2023 Capital Plan

Toronto Public Health

Sub-Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
		Current and Future Year Cash Flow Commitments												*Current and Future Year Cash Flow Commitments Financed By*									
	TPH907757	HF/HL Systems Integration																					
1	1	HF/HL Systems Integration	CW	S2	04	358	0	0	0	0	358	0	358	0	0	0	0	0	0	358	0	0	0	358
		Sub-total				358	0	0	0	0	358	0	358	0	0	0	0	0	0	358	0	0	0	358
	TPH907766	Web reBrand Project																					
1	1	Web reBrand Project 2012	CW	S2	04	471	334	0	0	0	805	0	805	0	0	0	0	0	0	0	0	805	0	805
0	3	Web reBrand Project 2014	CW	S3	04	-201	-334	0	0	0	-535	0	-535	0	0	0	0	0	0	0	0	-535	0	-535
		Sub-total				270	0	0	0	0	270	0	270	0	0	0	0	0	0	0	0	270	0	270
	TPH907768	Healthy Environment Inspection System																					
0	3	Healthy Environment Inspection System 2014	CW	S4	04	677	0	0	0	0	677	0	677	0	0	0	0	0	0	0	0	677	0	677
		Sub-total				677	0	0	0	0	677	0	677	0	0	0	0	0	0	0	0	677	0	677
	TPH907776	CDC Wireless Rollout																					
1	1	CDC Wireless Rollout	CW	S4	04	602	719	684	0	0	2,005	0	2,005	0	0	0	0	0	0	0	0	2,005	0	2,005
		Sub-total				602	719	684	0	0	2,005	0	2,005	0	0	0	0	0	0	0	0	2,005	0	2,005
	TPH907777	HF/HL Point of Care 2013																					
1	1	HF/HL Point of Care	CW	S2	04	2,232	1,950	0	0	0	4,182	0	4,182	0	0	0	0	0	0	0	0	4,182	0	4,182
0	2	HF HL Point of Care 2014	CW	S3	04	3	105	0	0	0	108	0	108	0	0	0	0	0	0	0	0	108	0	108
		Sub-total				2,235	2,055	0	0	0	4,290	0	4,290	0	0	0	0	0	0	0	0	4,290	0	4,290
	TPH907778	Dental & Oral Health Information Sys																					
1	1	Dental & Oral Health Information Sys	CW	S6	04	0	0	0	525	988	1,513	380	1,893	0	0	0	0	0	0	0	0	1,893	0	1,893
		Sub-total				0	0	0	525	988	1,513	380	1,893	0	0	0	0	0	0	0	0	1,893	0	1,893
	TPH907782	Document and Records Management System																					
1	1	Document and Records Management System	CW	S6	04	0	0	1,021	868	295	2,184	612	2,796	0	0	0	0	0	0	0	0	2,796	0	2,796
		Sub-total				0	0	1,021	868	295	2,184	612	2,796	0	0	0	0	0	0	0	0	2,796	0	2,796
	TPH907784	Public Health Systems State of Good Repair																					
1	1	Public Health Systems State of Good Repair	CW	S6	04	0	0	793	1,010	1,110	2,913	6,881	9,794	0	0	0	0	0	0	0	0	9,794	0	9,794
		Sub-total				0	0	793	1,010	1,110	2,913	6,881	9,794	0	0	0	0	0	0	0	0	9,794	0	9,794
	TPH907789	TPH Datamart Data Warehouse																					

Report Phase 5 -   Program 33 Toronto Public Health   Program Phase 5   Sub-Project Category 01,02,03,04,05,06,07   Part B Sub-Project Status S2,S5,S6   Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures ($000's)
Appendix 3

Toronto Public Health

Sub-Priority SubProj No.	Project No. Sub-project Name	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt		Total Financing
TPH907789	TPH Datamart Data Warehouse																							
1	2	TPH Datamart Data Warehouse Phase 2	CW	S6	04	0	622	894	985	970	3,471	240	3,711	0	0	0	0	0	0	0	0	3,711	0	3,711
		Sub-total				0	622	894	985	970	3,471	240	3,711	0	0	0	0	0	0	0	0	3,711	0	3,711
TPH907790	Internet & Intranet Strategy Implementation																							
1	1	Internet Strategy Implementation	CW	S6	04	0	0	0	0	0	0	2,539	2,539	0	0	0	0	0	0	0	0	2,539	0	2,539
		Sub-total				0	0	0	0	0	0	2,539	2,539	0	0	0	0	0	0	0	0	2,539	0	2,539
TPH907820	Public Health Service Delivery transformation&En																							
0	1	Public Health Service Delivery Transformation Enab	CW	S6	04	0	0	0	0	0	0	3,821	3,821	0	0	0	0	0	0	0	0	3,821	0	3,821
		Sub-total				0	0	0	0	0	0	3,821	3,821	0	0	0	0	0	0	0	0	3,821	0	3,821
TPH907843	Infectious Disease Control System																							
0	1	Infectious Disease Control System	CW	S2	02	725	205	0	0	0	930	0	930	930	0	0	0	0	0	0	0	0	0	930
0	2	Infectious Disease Control System-bud reduce 2014	CW	S3	02	-58	-22	0	0	0	-80	0	-80	-80	0	0	0	0	0	0	0	0	0	-80
		Sub-total				667	183	0	0	0	850	0	850	850	0	0	0	0	0	0	0	0	0	850
Total Program Expenditure						4,809	3,579	3,392	3,388	3,363	18,531	14,473	33,004	850	0	0	0	0	0	358	0	31,796	0	33,004

Report Phase 5 - Program 33 Toronto Public Health   Program Phase 5   Sub-Project Category 01,02,03,04,05,06,07   Part B Sub-Project Status S2,S5,S6   Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures ($000's)

Appendix 3

Toronto Public Health

			Current and Future Year Cash Flow Commitments and Estimates								Current and Future Year Cash Flow Commitments and Estimates Financed By										
Sub-Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
Financed By:																							
	Provincial Grants & Subsidies					667	183	0	0	0	850	0	850	850	0	0	0	0	0	0	0	0	0	850
	Other1 (Internal)					358	0	0	0	0	358	0	358	0	0	0	0	0	0	358	0	0	0	358
	Debt					3,784	3,396	3,392	3,388	3,363	17,323	14,473	31,796	0	0	0	0	0	0	0	0	31,796	0	31,796
Total Program Financing						4,809	3,579	3,392	3,388	3,363	18,531	14,473	33,004	850	0	0	0	0	0	358	0	31,796	0	33,004

Status Code   Description
S2   S2 Prior Year (With 2014 and\or Future Year Cashflow)
S3   S3 Prior Year - Change of Scope 2014 and\or Future Year Cost\Cashflow)
S4   S4 New - Stand-Alone Project (Current Year Only)
S5   S5 New (On-going or Phased Projects)
S6   S6 New - Future Year (Commencing in 2015 & Beyond)

Category Code Description
01   Health and Safety C01
02   Legislated C02
03   State of Good Repair C03
04   Service Improvement and Enhancement C04
05   Growth Related C05
06   Reserved Category 1 C06
07   Reserved Category 2 C07

Appendix 4

**2014 Cash Flow and
Future Year Commitments**

Report Phase 5 - Program 33 Toronto Public Health Program Phase 5   Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2   Part C Sub-Project Status S2,S3,S4,S5

CITY OF TORONTO Gross Expenditures ($000's)

Appendix 4:Council Approved Cash Flow and Future Year Commitments

Toronto Public Health

						Current and Future Year Cash Flow Commitments								Current and Future Year Cash Flow Commitments Financed By										
Sub-Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
TPH907757		HF/HL Systems Integration																					
1	1	HF/HL Systems Integration	CW	S2	04	358	0	0	0	0	358	0	358	0	0	0	0	0	0	358	0	0	0	358
		Sub-total				358	0	0	0	0	358	0	358	0	0	0	0	0	0	358	0	0	0	358
TPH907766		Web reBrand Project																					
1	1	Web reBrand Project 2012	CW	S2	04	471	334	0	0	0	805	0	805	0	0	0	0	0	0	0	0	805	0	805
0	3	Web reBrand Project 2014	CW	S3	04	-201	-334	0	0	0	-535	0	-535	0	0	0	0	0	0	0	0	-535	0	-535
		Sub-total				270	0	0	0	0	270	0	270	0	0	0	0	0	0	0	0	270	0	270
TPH907768		Healthy Environment Inspection System																					
0	3	Healthy Environment Inspection System 2014	CW	S4	04	677	0	0	0	0	677	0	677	0	0	0	0	0	0	0	0	677	0	677
		Sub-total				677	0	0	0	0	677	0	677	0	0	0	0	0	0	0	0	677	0	677
TPH907776		CDC Wireless Rollout																					
1	1	CDC Wireless Rollout	CW	S4	04	602	719	684	0	0	2,005	0	2,005	0	0	0	0	0	0	0	0	2,005	0	2,005
		Sub-total				602	719	684	0	0	2,005	0	2,005	0	0	0	0	0	0	0	0	2,005	0	2,005
TPH907777		HF/HL Point of Care 2013																					
1	1	HF/HL Point of Care	CW	S2	04	2,232	1,950	0	0	0	4,182	0	4,182	0	0	0	0	0	0	0	0	4,182	0	4,182
0	2	HF HL Point of Care 2014	CW	S3	04	3	105	0	0	0	108	0	108	0	0	0	0	0	0	0	0	108	0	108
		Sub-total				2,235	2,055	0	0	0	4,290	0	4,290	0	0	0	0	0	0	0	0	4,290	0	4,290
TPH907843		Infectious Disease Control System																					
0	1	Infectious Disease Control System	CW	S2	02	725	205	0	0	0	930	0	930	930	0	0	0	0	0	0	0	0	0	930
0	2	Infectious Disease Control System-bud reduce 2014	CW	S3	02	-58	-22	0	0	0	-80	0	-80	-80	0	0	0	0	0	0	0	0	0	-80
		Sub-total				667	183	0	0	0	850	0	850	850	0	0	0	0	0	0	0	0	0	850
Total Program Expenditure						4,809	2,957	684	0	0	8,450	0	8,450	850	0	0	0	0	0	358	0	7,242	0	8,450

Report Phase 5 - Program 33 Toronto Public Health Program Phase 5 Sub-Project Category 01,02,03,04,05,06,07 Part B Sub-Project Status S2 Part C Sub-Project Status S2,S3,S4,S5

CITY OF TORONTO

Gross Expenditures ($000's)

Appendix 4:

Toronto Public Health

Sub-Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.	2014	2015	2016	2017	2018	Total 2014-2018	Total 2019-2023	Total 2014-2023	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing
											Current and Future Year Cash Flow Commitments and Estimates				**Current and Future Year Cash Flow Commitments and Estimates Financed By**									
Financed By:																							
	Provincial Grants & Subsidies					667	183	0	0	0	850	0	850	850	0	0	0	0	0	0	0	0	850
	Other1 (Internal)					358	0	0	0	0	358	0	358	0	0	0	0	0	0	358	0	0	358
	Debt					3,784	2,774	684	0	0	7,242	0	7,242	0	0	0	0	0	0	0	0	7,242	7,242
Total Program Financing						4,809	2,957	684	0	0	8,450	0	8,450	850	0	0	0	0	0	358	0	7,242	8,450

Status Code   **Description**
S2   S2 Prior Year (With 2014 and\or Future Year Cashflow)
S3   S3 Prior Year - Change of Scope 2014 and\or Future Year Cost\Cashflow)
S4   S4 New - Stand-Alone Project (Current Year Only)
S5   S5 New (On-going or Phased Projects)

Category Code   **Description**
01   Health and Safety C01
02   Legislated C02
03   State of Good Repair C03
04   Service Improvement and Enhancement C04
05   Growth Related C05
06   Reserved Category 1 C06
07   Reserved Category 2 C07

Appendix 5

2014 Capital Project with Financing Details

(Phase 5) 33-Toronto Public Health Sub-Project Category: 01,02,03,04,05,06,07 Type: B Sub-Project Status: S2 Type: C Sub-Project Status: S2,S3,S4,S5

CITY OF TORONTO

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Appendix 5:
Toronto Public Health
Sub-Project Summary

Project/Financing Priority Project Project Name	Start Date	Completion Date	2014 Cash Flow	Provincial Grants Subsidies	Federal Subsidy	Developmt Charges	Reserves	Reserve Funds	Capital From Current	Other 1	Other 2	Debt	Debt - Recoverable
0 TPH907843 Infectious Disease Control System													
0 1 Infectious Disease Control System	07/01/2013	05/31/2015	725	725	0	0	0	0	0	0	0	0	0
0 2 Infectious Disease Control System-bud reduce 2014	01/01/2014	12/31/2015	-58	-58	0	0	0	0	0	0	0	0	0
Project Sub-total:			667	667	0	0	0	0	0	0	0	0	0
1 TPH907757 HF/HL Systems Integration													
1 1 HF/HL Systems Integration	01/01/2010	12/31/2013	358	0	0	0	0	0	0	358	0	0	0
Project Sub-total:			358	0	0	0	0	0	0	358	0	0	0
1 TPH907766 Web reBrand Project													
0 3 Web reBrand Project 2014	01/01/2011	12/31/2014	-201	0	0	0	0	0	0	0	0	-201	0
1 1 Web reBrand Project 2012	05/04/2011	05/04/2015	471	0	0	0	0	0	0	0	0	471	0
Project Sub-total:			270	0	0	0	0	0	0	0	0	270	0
1 TPH907768 Healthy Environment Inspection System													
0 3 Healthy Environment Inspection System 2014	01/01/2014	12/31/2014	677	0	0	0	0	0	0	0	0	677	0
Project Sub-total:			677	0	0	0	0	0	0	0	0	677	0
1 TPH907776 CDC Wireless Rollout													
1 1 CDC Wireless Rollout	01/01/2014	12/31/2016	602	0	0	0	0	0	0	0	0	602	0
Project Sub-total:			602	0	0	0	0	0	0	0	0	602	0
1 TPH907777 HF/HL Point of Care 2013													
0 2 HF HL Point of Care 2014	01/01/2013	12/31/2015	3	0	0	0	0	0	0	0	0	3	0
1 1 HF/HL Point of Care	01/01/2013	12/31/2015	2,232	0	0	0	0	0	0	0	0	2,232	0
Project Sub-total:			2,235	0	0	0	0	0	0	0	0	2,235	0
Program Total:			4,809	667	0	0	0	0	0	358	0	3,784	0

Status Code Description
S2   S2 Prior Year (With 2014 and\or Future Year Cashflow)
S3   S3 Prior Year - Change of Scope 2014 and\or Future Year Cost\Cashflow)
S4   S4 New - Stand-Alone Project (Current Year Only)
S5   S5 New (On-going or Phased Projects)

Category Code Description
01   Health and Safety C01
02   Legislated C02
03   State of Good Repair C03
04   Service Improvement and Enhancement C04
05   Growth Related C05
06   Reserved Category 1 C06
07   Reserved Category 2 C07