

Toronto Public Health Capital Budget Variance Report for the Twelve Months Ended December 31, 2017

Date: March 29, 2018

To: Board of Health

From: Medical Officer of Health

Wards: All

SUMMARY

This report provides an update to the Board of Health on the Toronto Public Health (TPH) Capital Budget Variance for the twelve months ended on December 31, 2017.

Toronto Public Health spent \$3.451 million representing 71.2% of the 2017 Approved Capital Budget of \$4.849 million.

RECOMMENDATIONS

The Medical Officer of Health recommends that the Board of Health receive this report for information.

FINANCIAL IMPACT

The Interim Chief Financial Officer has reviewed the report and agrees with the financial impact information.

DECISION HISTORY

At its meeting on February 15, 2017, City Council approved a TPH 2017 Capital Budget of \$4.367 million and also provided conditional approval for all projects with third party financing, subject to the receipt of such financing and if such funding is not forthcoming, their priority and funding be reassessed by City Council relative to other City-financed priorities and needs.

<http://app.toronto.ca/tmmis/viewPublishedReport.do?function=getCouncilDecisionDocumentReport&meetingId=11852>

COMMENTS

The TPH 2017 final capital budget of \$4.849 million is comprised of the following Projects:

Information Technology

- Infectious Disease Control Information System
- HF/HL (Healthy Families/Healthy Living) Point of Care
- CDC (Communicable Disease Control) Wireless Rollout
- Healthy Environment Inspection System (Mobile)
- TPH Datamart Data Warehouse - Phase 2
- Electronic Medical Record - Phase 1
- Dental & Oral Health Information Systems
- Community Health Information System
- Electronic Medical Record - Phase 2

Facilities

- Relocation and Expansion of Scarborough Dental Clinic
- Supervised Injection Service

As at December 31, 2017, TPH spent \$3.451 million representing 71.2% of the 2017 Approved Capital Budget of \$4.849 million as shown in the following table:

2017 Capital Budget Variance as of December 31, 2017				
	Budget	Actual	Variance	Spend Rate
	(\$000s)	(\$000s)	(\$000s)	%
Infectious Disease Control Information System	684.6	677.3	7.3	98.9
HF/HL (Healthy Families/Healthy Living) Point of Care	52.9	52.9	0.0	100.0
CDC Wireless Rollout	24.7	24.3	0.4	98.4
Healthy Environment Inspection System (Mobile)	271.3	272.1	(0.8)	100.3
TPH Datamart Data Warehouse - Phase 2	867.6	788.3	79.3	90.9
Electronic Medical Record - Phase 1	13.8	13.8	0.0	100.0
Dental & Oral Health Information Systems	84.0	72.1	11.9	85.8
Community Health Information System	900.0	736.1	163.9	81.8
Electronic Medical Record - Phase 2	418.0	339.8	78.2	81.3
Relocation and Expansion of Scarborough Dental Clinic	1,067.0	14.1	1,052.9	1.3
Supervised Injection Service	465.0	460.0	5.0	98.9
Total	4,848.9	3,450.8	1,398.1	71.2

TPH's project management process, which is consistent with the City's practice, uses colour codes to reflect the status of capital projects. The status of each capital project is based on budget, schedule and scope considerations. The colour codes are defined as follows:

- Green – on target to meet project goals (scope/functionalities), and on budget and schedule;
- Yellow – at risk of not meeting certain goals, some scope, budget and/or schedule issues and corrective action required; and
- Red – at risk of not meeting goals, significant scope, budget and/or schedule issues and corrective action required.

The following section summarizes TPH's projects within the 2017 Capital Budget.

Information Technology Projects:

- **Infectious Disease Control Information System:**

Overall Project Status
Green

This project will implement a national public health information system encompassing an immunization information system, and a vaccine ordering and distribution system.

The following activities were undertaken in 2017:

- 1) developed and tested new applications for generating suspension reports for schools during the suspension periods;
- 2) initiated a review of Cold Chain processes;
- 3) implemented Mobile Immunization Management System (m-IMMS), Public Health Immunization Exchange (PHIX), and Immunization Connection Ontario (ICON) systems in the Vaccine Preventable Disease program; and
- 4) assisted the province in the continued development, implementation and support of Panorama and Panorama tools functionality including m-IMMS, PHIX, and ICON systems.

As of December 31, 2017, the Infectious Disease Control Information System project's capital expenditures totalled \$677.3 thousand representing 98.9% of the 2017 approved cash flow of \$684.6 thousand. TPH will be requesting \$7.3 thousand be carried forward to 2018 to complete planned deliverables.

- **HF / HL Point of Care:**

Overall Project Status
Green - Completed

This project will implement wireless devices which will communicate securely with the Toronto Community Health Information System (TCHIS) and synchronize data between the mobile units and the Toronto Community Health Information System database. Implementing this project will enable staff to have access to materials, documents, health promotion literature and related policies and procedures on site during a home visit and will improve accuracy of documentation by reducing the time gap between client interaction and documentation of these interactions.

As of December 31, 2017, the HF/HL Point of Care project's capital expenditures totalled \$52.9 thousand representing 100% of the 2017 approved cash flow of \$52.9 thousand.

- **CDC Wireless Rollout:**

Overall Project Status
Green - Completed

This project enabled staff in the Vaccine Preventable Disease, Tuberculosis, and Personal Service Settings programs to enter and access data directly from health information management systems while in the field. Wireless technology has been used to improve Communicable Disease Control (CDC) business processes and service to clients.

This project was completed in early 2017 with the purchase and rollout of devices and hardware acquisition.

As of December 31, 2017, the CDC Wireless Rollout project's capital expenditures totalled \$24.3 thousand representing 98.4% of the 2017 approved cash flow of \$24.7 thousand.

- **Healthy Environment Inspection System (Mobile)**

Overall Project Status
Green - Completed

This project implemented a mobile application for wireless devices for Food Safety and Health Hazard (pools & spas and rabies), Bed Bugs, Special Events and Mobile Premises inspections and investigations, leveraging the corporate Remote Computing System solution.

The project was completed in July 2017 with the

- 1) training of Food Safety Public Health Inspectors on the use of the Hazard Analysis and Critical Control Point module;
- 2) implementation of the Bed Bug module to record Bed Bug complaints, requests and inquires investigation and Inspection results using tablets in the field; and
- 3) implementation of the Health Hazard module that allows Public Health Inspectors to document investigation / inspection findings for Health Hazard complaints, requests and inquiries.

As of December 31, 2017, the Healthy Environment Inspection System project's capital expenditures totalled \$272.1 thousand representing slightly over 100.0% of the 2017 approved cash flow of \$271.3 thousand.

- **TPH Datamart Data Warehouse - Phase 2**

Overall Project Status
Yellow

Building on the accomplishments of Phase 1, Phase 2 will enhance monitoring of performance measures and decision making, and reporting across ten additional data sources within TPH programs.

As of December 31, 2017, the Datamart Data Warehouse - Phase 2 project expenditures totalled \$788.3 thousand representing 90.9% of the approved 2017 cash flow of \$867.6 thousand.

- **Electronic Medical Record - Phase 1**

Overall Project Status
Green - Completed

This project replaced a system that reached its end of life with a new client information system to provide a comprehensive electronic record of patients' health-related information for those seen in sexual health and methadone clinics, creating efficiencies in business processes and improved client care.

As of December 31, 2017, the Electronic Medical Record - Phase 1 project expenditures totalled \$13.8 thousand representing 100.0% of the approved 2017 cash flow of \$13.8 thousand.

- **Dental & Oral Health Information Systems**

Overall Project Status
Yellow

The objective of this project is to improve the operational efficiency and effectiveness of providing Dental and Oral Health Services by TPH to eligible clients of the City of Toronto in all 24 City and Provincial dental clinics including one mobile dental clinic. This initiative will implement an integrated Oral Health Information System to support the service delivery process of public dental clinics. This system will provide access to meaningful, real time dental and oral health practice management information, including: shared appointment scheduling; patient charting; digital x-ray management; and electronic integration with the provincial billing system.

As of December 31, 2017, the Dental & Oral Health Information Systems project expenditures totalled \$72.1 thousand representing 85.8% of the approved 2017 cash flow of \$84.0 thousand. A carry-forward of \$11.9 thousand to 2018 is required to complete planned deliverables.

- **Community Health Information System**

Overall Project Status
Yellow

Currently in the implementation phase, this project will enhance the Toronto Community Health Information System (TCHIS) to improve system reliability; comply with legal requirements (including Accessibility for Ontarians with Disabilities Act and Personal Health Information Protection Act) and industry standards; and enhance the capabilities of the application to improve workflows and reduce errors so that program staff can continue to efficiently deliver public health service to a growing public health client base.

As of December 31, 2017, the TCHIS project's capital expenditures totaled \$736.1 thousand representing 81.8% of the 2017 approved cash flow of \$900.0 thousand.

Some project activities had to be deferred to 2018 necessitating the carry-forward of \$163.9 thousand to 2018 to complete planned deliverables.

- **Electronic Medical Record - Phase 2**

Overall Project Status
Yellow

Currently in the definition and planning phase, the Electronic Medical Record (EMR) project will replace a system that has reached its end of life with a new client information system to provide a comprehensive electronic record of patients' health-related information for those seen in sexual health and methadone clinics, creating efficiencies in business processes and improved client care.

As of December 31, 2017, Phase 2 project's capital expenditures totaled \$339.8 thousand representing 81.3% of the 2017 approved cash flow of \$418.0 thousand. A carry-forward of \$78.2 thousand into 2018 will be required to complete planned deliverables.

Facilities Projects

- **Relocation and Expansion of Dental Clinic at Scarborough Civic Centre**

Overall Project Status
Red

The TPH dental clinic at 160 Borough Drive will be relocated to 150 Borough Drive. The new larger facility will be compliant with the Accessibility for Ontarians with Disabilities Act, and will address health and safety concerns created from overcrowding at the current location. This clinic will also increase access to dental services for adults on social assistance, adults with disabilities, and refugees; and decrease wait times as a result of improved service delivery.

As of December 31, 2017 expenditures totaled \$14.1 thousand representing 1.3% of the 2017 approved cash flow of \$1,067.0 thousand.

After a Request for Quote process, a contract was awarded in March 2017 to a consultant architect. Staff from Facilities Management, Purchasing and Materials Management, and Legal Services are in negotiations with the consultant architect regarding cost estimates not being aligned with the contract. Due to the ongoing negotiations, \$1,052.9 thousand will have to be carried forward into 2018.

- **Supervised Injection Service**

Overall Project Status
Green - Complete

The Supervised Injection Service project is aimed at reducing the community impact of injection drug use including overdose deaths.

The permanent site was opened in early November 2017.

As of December 31, 2017, the Supervised Injection Service Systems project expenditures totalled \$460.0 thousand representing 98.9% of the approved 2017 cash flow of \$465.0 thousand.

CONTACT

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SIGNATURE

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Medical Officer of Health

ATTACHMENTS

Appendix 1 – TPH 2017 Capital Budget Variance Report for the Period Ended December 31, 2017