



REPORT FOR ACTION WITH CONFIDENTIAL ATTACHMENT

Cyber Security Update

Date: April 25, 2022

To: Audit and Risk Management Committee of the Board of Directors of Toronto Parking Authority

From: President, Toronto Parking Authority

Wards: All

REASON FOR CONFIDENTIAL INFORMATION

This report involves the security of property belonging to the City or one of its agencies or corporations.

SUMMARY

The purpose of this report is to present an update on the status of Toronto Parking Authority's (TPA) action plans which mitigate the cyber security risks identified from the cyber threat risk assessment conducted in 2021, as well as those identified in the submission to the City's Chief Security Officer under the City's Cyber Security Confirmation Program.

This report contains a confidential attachment which describes the status of the mitigation and remediation plans from the 2021 cyber security risk assessment and the risks identified in TPA's submission to the City's Cyber Security Confirmation Program.

Bindesh Rach, Vice President, Finance and CFO will provide a presentation to the Committee at its meeting of May 10, 2022. These matters will require a closed session discussion, as they relate to the security of property belonging to the City or one of its agencies or corporations.

RECOMMENDATIONS

The President recommends that:

1. The Board of Directors of Toronto Parking Authority receive this report for information.
2. The Board of Directors of Toronto Parking Authority direct that the confidential information contained in Confidential Attachment 1 remain confidential in its entirety, as it involves the security of property belonging to the City or one of its agencies or corporations.

FINANCIAL IMPACT

Costs in 2022 associated with addressing the details on Confidential Attachment 1 have been included in the 2022 operating budget.

DECISION HISTORY

Toronto City Council, at its meeting on April 6 and 7, 2022, considered Item GL29.16, "Status of Audit Recommendations and Key Cybersecurity Risks", directing Boards of Agencies and Corporations to submit to the City's Confirmation Program and provide 30 60 90 day remediation plans.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2022.GL29.16>

Toronto City Council, at its meeting on November 9, 10 and 12, 2021, considered Item AU10.4, "Auditor General's Cybersecurity Review: Toronto Fire Services Critical System Review", directing the City Manager to develop a confirmation program to mitigate cybersecurity risks across the City of Toronto, including all City divisions, agencies and corporations.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2021.AU10.4>

At its meeting on July 19, 2021, the Board reviewed the results of a cyber security assessment on the Toronto Parking Authority's information technology environment completed July 2, 2021. At this meeting, the Board authorized staff to proceed with mitigation and remediation recommendations.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2021.PA25.2>

Toronto City Council, at its meeting of October 29 and 30, 2019 in considering Item AU4.1, "Cyber Safety: A Robust Cybersecurity Program Needed to Mitigate Current and Emerging Threats", requested the City's agencies and corporations to provide a cyber security enterprise risk assessment to the City of Toronto Chief Technology Officer.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2019.AU4.1>

COMMENTS

This report contains one confidential attachment that provides detail on the overall cyber security health of Toronto Parking Authority.

Evolving cyberattacks are a reality of the world we live in. Cyberattacks are unauthorized attempts to gain access to a system and confidential data, modify it in some way, or delete or render information in the system unusable. These are one of the biggest threats facing organizations today.

Toronto Parking Authority has conducted a cyber security risk assessment and is working with the City of Toronto's CISO's office in the management and mitigation of risks identified.

Cyber Security Threat Risk Assessment

In 2021, Toronto Parking Authority engaged MNP LLP to conduct a comprehensive cyber security risk assessment on TPA's information technology environment. As a result of this assessment, a number of recommendations were identified to support the adoption of industry accepted best practices and security controls to address the greatest risk areas. The standard industry framework used in this assessment is version 8 of the Center for Internet Security (CIS) Controls. This framework includes 18 control core principles and supporting controls providing the foundation for a leading practice cyber security program. Criteria from the CIS Controls Implementation Groups (IG) was also included within the assessment. The IG organize controls into three levels, factoring in the size and complexity of the organization, as well as available resources, nature of IT systems and type(s) of information collected to help organizations establish reasonable security protections.

Following the 2021 cyber security threat risk assessment, Toronto Parking Authority began development of remediation plans. During this time, the City's Chief Information Security Officer developed a confirmation program that requested all agencies, boards and corporations to submit to the program and provide 30-60-90 day remediation plans and strategies.

Auditor General's Cybersecurity Review - City Cyber Security Confirmation Program

At City Council, on November 9, 10, and 12, 2021, the Auditor General presented the results of her cybersecurity review of Toronto Fire Services. At this meeting, City Council directed the City Manager, in consultation with the Chief Information Security Officer (CISO), to develop a confirmation program for all senior managers with responsibility in addressing cyber risks identified in City agencies and corporations, starting with the critical systems, and to report on the confirmation program, including rates of compliance, remediation plans and strategies to reduce risk and ensure corporate compliance.

In addition to remediation plans to mitigate risks in response to the cyber security threat risk assessment conducted by MNP LLP in 2021, Toronto Parking Authority has submitted to the City's confirmation program and provided a 30-60-90 remediation plan to reduce cyber security risk. Working with the City's CISO office, Toronto Parking Authority continues to assess and take actions to mitigate cyber security risk.

CONTACT

Bindesh Rach, Chief Financial Officer, Toronto Parking Authority, 437-774-1518, Bindesh.Rach@toronto.ca

Perry Tripas, Director of Parking Technology and Information Security, Toronto Parking Authority, 416-393-7293, Perry.Tripas@toronto.ca

SIGNATURE

W. Scott Collier
President, Toronto Parking Authority

ATTACHMENTS

Confidential Attachment 1