



REPORT FOR ACTION WITH CONFIDENTIAL ATTACHMENT

Cyber Security Threat Risk Assessment

Date: July 5, 2021

To: Board of Directors, 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

This report presents the results of a cyber security assessment on the Toronto Parking Authority's information technology environment completed July 2, 2021, and provides confidential information regarding the findings to the Toronto Parking Authority (TPA) Board of Directors.

RECOMMENDATIONS

The President, Toronto Parking Authority recommends that:

1. The Board of Directors of Toronto Parking Authority authorize the President, Toronto Parking Authority, to proceed with the mitigation and remediation recommendations as outlined in Confidential Attachment 1.
2. The Board of Directors of Toronto Parking Authority direct the President, Toronto Parking Authority to provide this report to the City of Toronto Chief Technology Officer for validation and compliance to be included in the City's cyber-security baseline analysis.
3. The Board of Directors of Toronto Parking Authority direct that the confidential information contained in Confidential Attachments 1 and 2 remain confidential in their entirety, as it pertains to the security of property belonging to the City or one of its agencies or corporations.

FINANCIAL IMPACT

Financial impacts based on the recommendations contained in this report are accommodated under Toronto Parking Authority's Information Technology 2021 Operating Budget.

DECISION HISTORY

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", Council adopted the following recommendations:

- "City Council direct the City Manager to request the agencies and corporations to provide a cyber security enterprise risk assessment, approved through their organizational governance, to the City of Toronto Chief Technology Officer by the third quarter of 2020, for validation and compliance to be included in the City's cyber-security baseline analysis; each agency and corporation to subsequently submit a plan to the City of Toronto Chief Technology Officer on implementation plans to mitigate risks by the fourth quarter of 2020."

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

COMMENTS

Toronto Parking Authority engaged MNP LLP to conduct a comprehensive cyber security risk assessment on TPA's information technology environment this year. A partial review was conducted in 2020 as part of Payment Card Industry Data Security Standards (PCI-DSS) compliance efforts, with only the PCI environment in scope in order to ensure PCI Level 1 certification was achieved in 2020. This review encompasses the remaining information technology environment of TPA.

As a result of this assessment, a number of recommendations are identified to support the adoption of industry accepted best practises 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.

CONTACT

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SIGNATURE

W. Scott Collier
President, Toronto Parking Authority

ATTACHMENTS

Confidential Attachment 1 - Cyber Security Threat Risk Assessment Recommendations
Confidential Attachment 2 - Cyber Security Threat Risk Assessment Report