

## Industrial Control Systems Security Audit

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### RECOMMENDATIONS:

That the Audit Committee:

1. Receive this report for the Corporate Record;
2. Recommend that Council receive this report for the Corporate Record; and
3. Recommend that Attachment 1 to Report AC2021-1099 remain confidential pursuant to Section 20 (Disclosure harmful to law enforcement) of the *Freedom of Information and Protection of Privacy Act* to be reviewed by July 22, 2036.

### RECOMMENDATION OF THE AUDIT COMMITTEE, 2021 JULY 22:

That Council:

1. Receive this report for the Corporate Record; and
2. Recommend that Attachment 1 to Report AC2021-1099 remain confidential pursuant to Section 20 (Disclosure harmful to law enforcement) of the *Freedom of Information and Protection of Privacy Act* to be reviewed by July 22, 2036.

### HIGHLIGHTS

- Bylaw 30M2004 (as amended) established the position of City Auditor and the powers, duties and functions of the position. In accordance with Bylaw 30M2004 (as amended), the City Auditor reports the outcome of all audits to the Audit Committee (including Administration's response and corrective actions to be taken in regard to specific recommendations). The City Auditor is accountable to Council and subject to the oversight of Audit Committee under Bylaw 33M2020.
- We are recommending Attachment 1 remain confidential based on Section 20(1) of The Freedom of Information and Protection of Privacy Act, which states:  
"The head of a public body may refuse to disclose information to an applicant if the disclosure could reasonably be expected to:  
(k) facilitate the commission of an unlawful act or hamper the control of crime,  
(m) harm the security of any property or system, including a building, a vehicle, a computer system or a communications system."
- What does this mean to Calgarians? The City Auditor's Office provides independent and objective audit assurance services to add value to The City of Calgary and enhance public trust.
- Why does it matter? In keeping with the evolution of technology, The City has increasingly adopted an environment in which physical processes moved away from isolated, manually controlled operational technology systems (used to monitor and control industrial processes) to interconnected controlled equipment. We included an Industrial Control Systems Security audit in the 2021 Annual Audit Plan since operational technology systems are potentially

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vulnerable to the types of security challenges more common to information technology systems, including malicious hacking.

- Strategic alignment: Citizen Priority – A Well-Run City.

**ATTACHMENTS**

1. CONFIDENTIAL – Attachment 1 – Industrial Control Systems Security Audit - AC2021-1099 ATT1
2. Attachment 2 - Industrial Control Systems Security Audit Presentation Slide - AC2021- 1099 ATT2

**DEPARTMENT CIRCULATION**

Name	Title, Department or Business Unit	Approve/Consult/Inform
Liz Ormsby	Acting City Auditor	Approve
David Duckworth	City Manager	Inform
Carla Male	Chief Financial Officer	Inform
Brad Labrenz	Acting Chief Security Officer	Inform
Doug Morgan	General Manager, Transportation	Inform
Michael Thompson	General Manager, Utilities & Environmental Protection	Inform