

## **2016 CORPORATE ENVIRONMENT, HEALTH & SAFETY ANNUAL REPORT**

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### **EXECUTIVE SUMMARY**

The Corporate Environment, Health & Safety (EHS) 2016 Annual Report (Attachment 1) is prepared by Environmental & Safety Management (ESM) in its capacity of providing governance and oversight for The City of Calgary's Environmental, Health and Safety (EHS) management systems. In 2016, a Certificate of Recognition (COR) audit of The City's occupational health and safety (OHS) management system was conducted. The City achieved a passing score of 87 per cent. Also in 2016, The City developed a framework for implementation of a renewed corporation-wide environmental management system, based on the revised ISO 14001:2015 international standard for environmental management.

The 2016 Q3 and Q4 EHS Management Systems and Compliance Report (Attachment 2) provides information on five significant incidents and one regulatory infraction that occurred in the last half of 2016. Corrective actions have been developed for each of the reported incidents and the infraction. The report also provides a summary of results for twelve EHS audits conducted during the same the same period. The audits did not identify any major non-conformities and each of the registered business units maintained their ISO 14001 certificates.

### **ADMINISTRATION RECOMMENDATION**

That the SPC on Utilities and Corporate Services receive this Report for information.

### **PREVIOUS COUNCIL DIRECTION / POLICY**

On 2009 March 25, the SPC on Utilities and Environment directed Administration to report semi-annually to Committee on corporate environment and safety performance, including audit results (UE2009-07).

### **BACKGROUND**

The 2016 Corporate EHS Annual Report highlights a wide range of programs, strategies and plans that help achieve The City's corporate environmental and occupational health and safety goals. This report presents the 2016 corporate environmental and safety performance in two attachments.

The Annual Report (Attachment 1) provides an overview of corporate performance on environmental stewardship and a safe and healthy workplace. The report also provides milestones and highlights of key corporate programs and initiatives in 2016 that contributed to continual improvement.

The 2016 Q3 and Q4 Corporate EHS Management Systems and Compliance Report (Attachment 2) describes significant incidents, regulatory infractions and audit activity.

### **INVESTIGATION: ALTERNATIVES AND ANALYSIS**

The data for the performance measures come from a variety of automated sources, including the online safety data management system and 3-1-1 substance release reporting; it also uses established formulas for data analysis. The City continues to develop and improve data systems to support EHS reporting.

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### 1) 2016 Corporate EHS Annual Report Highlights

- In 2016, a Certificate of Recognition (COR) audit of The City's OHS management system was conducted. The City achieved a passing score of 87 per cent. This demonstrates that The City's OHS management system conforms to the provincial standard set by the Partnerships in Injury Prevention program.
- A framework was developed in 2016 for implementation of a renewed corporation-wide environmental management system, based on the revised ISO 14001:2015 international standard for environmental management.
- The City's new single online system for managing safety data went live in early 2015. System upgrades in 2016 deployed additional components to support safety activities such as inspections, safety meetings, hazard assessments and audits. Further enhancements are being developed, including a mobile application for field staff.
- The City developed a Climate Program in 2016, focused on building corporate leadership support and capacity, developing a Climate Resilience Plan for climate change mitigation and adaptation, and integrating and aligning with existing plans, and education.
- A Corporate Energy Plan was approved for implementation in 2016. Through the plan, The City has reduced its energy consumption and resulting greenhouse gas emissions by investing in on-site renewable energy and energy efficiency initiatives such as efficient lighting retrofits and automated building controls.
- The ReTree YYC program was established to help Calgary's urban forest recover from the September 2014 snow storm. In 2016, the ReTree YYC program planted approximately 9,400 trees and more than 94,000 trees were pruned. The City continued public urban forestry stewardship through education programs for citizens and community groups to raise awareness of tree preservation practices.

### 2) Management Systems and Compliance Report Summary

The 2016 Q3 and Q4 EHS Management Systems and Compliance Report (Attachment 2), details significant environmental and safety incidents and regulatory infractions for the last half of 2016. The report includes information regarding five significant EHS incidents and one regulatory infraction. Corrective actions have been developed for each of the reported incidents and the infraction.

The report also includes information on EHS audit activity for Q3 and Q4 2016. The City's ten ISO 14001-registered systems undergo one internal and one external environmental management system audit annually to fulfill registration requirements. Twelve audits took place in Q3 and Q4 2016. The audits did not identify any major non-conformities and each of the registered business units maintained their ISO 14001 certificates.

### **Stakeholder Engagement, Research and Communication**

Stakeholders and subject matter experts from across The Corporation are consulted and engaged throughout the year to support corporate environmental and occupational health and safety reporting. ESM works collaboratively with other business units to gather and analyze data, and to identify examples and opportunities to improve The City's EHS management systems, compliance and performance.

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### **Strategic Alignment**

This report supports the 2015 – 2018 Action Plan Council Priority of a well-run city and aligns to the following actions:

- W2.3: Measure, benchmark and report our performance to drive continuous improvement and support decision making.
- W6.2: Use tools such as management systems and auditing to minimize EHS risks.

### **Social, Environmental, Economic (External)**

The 2016 Corporate EHS Annual Report demonstrates The City's accountability and transparency in supporting Council priorities for a well-run city and a healthy and green city. Corporate performance related to environment, health and safety supports The City of Calgary's reputation as a healthy, safe and desirable place to work. The corrective action plans related to the incidents and audit findings identified in this report are key steps to protect employee safety and the environment.

### **Financial Capacity**

#### **Current and Future Operating Budget:**

There are no operating budget impacts associated with the preparation and distribution of this report and ongoing governance reporting.

#### **Current and Future Capital Budget:**

There are no capital budget impacts associated with the preparation and distribution of this report and ongoing governance reporting.

### **Risk Assessment**

The City's environmental management system (EnviroSystem) and OHS management system take a risk-based approach to managing performance, providing assurance that environmental and OHS legislative requirements are and will be met. Strategies and actions to improve EHS performance are continually monitored and reported. Improvements to corporate EHS reporting continue to evolve and are being guided by recommendations from the ESM EnviroSystem Oversight Audit (AC2016-0754)

#### **REASON FOR RECOMMENDATION:**

This report is provided for information for the Committee to share milestones and highlights on corporate environmental and safety performance.

### **ATTACHMENTS**

1. 2016 Corporate Environment, Health and Safety Annual Report
2. 2016 Q3 and Q4 Corporate Environment, Health & Safety Management Systems and Compliance Report