



OFFICE OF THE CITY AUDITOR COLORADO SPRINGS, COLORADO

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15-22 Colorado Springs Utilities Geographic Information System Audit

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Purpose

The purpose of this audit was to ensure that adequate access and change management information technology general controls were being used to secure the Geographic Information System (GIS) data. This application supports office and field personnel by maintaining the physical location of utilities infrastructure.

General controls are classified as:

...[those controls that] apply to all systems components, processes, and data for a given organization or systems environment. The objective of these controls are to ensure the appropriate development and implementation of applications.¹

¹Institute of Internal Auditors, Global Technology Audit Guide 8: Auditing Application Controls, 2007

Highlights

Based on our review, we concluded some of the controls related to the access control and change management of the GIS need improvement. Other controls appeared adequate. We observed one (1) issue and one (1) opportunity for improvement that were discussed with Colorado Springs Utilities' management. Management has generally agreed to address the issues. We will follow up on management's actions in future reports.

We are not including details concerning any potential vulnerabilities (or strengths) related to the security of these Colorado Springs Utilities facilities/functions. Disclosure of this information to the public would be contrary to the public interest in improving or maintaining secure information technology systems for Colorado Springs Utilities. The details of this audit are not required to be released to the public per C.R.S. § 24-72-204(2)(a)(VIII)(A).

This audit was conducted in conformance with the International Standards for the Professional Practice of Internal Auditing, a part of the Professional Practices Framework promulgated by the Institute of Internal Auditors.