



Calgary

City Auditor's Office

Data Analytics Program

AC2020-0622
Attachment 1
ISC: UNRESTRICTED





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Data Analytics Program

Key Messages:

- The City Auditor's Office (CAO) overall data analytics initiative was endorsed by Audit Committee in 2016.
- The Data Analytics Program is ready to launch.
- The Data Analytics Program broadens and enhances CAO Services by providing expanded deliverables:
 - Continuous Auditing
 - Risk Based Analysis Reporting
 - Data Analytic Advisory Services



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Service Deliverables

Service Value



Continuous Auditing

- Utilize custom built scripts to monitor transactional activity
- Ongoing assessment of compliance and risk/control effectiveness
- Communicate trending and exceptions via a quarterly scorecard



Risk Based Analytics Reporting

- Deeper data driven exploration on risk exposure
- Agile approach delivering fast turnaround on specific assurance
- Communicate key issues and findings via a summary report



Data Analytics Advisory Services

- Insightful data analysis to aid Administration in proactive decision making
- Ongoing support to CAO audits, and investigations
- Communicate activity through CAO annual report

Continuous Auditing - Compliance Health

Risk Based Analytics Reporting – Assurance on Specific Risks

Data Analytics Advisory Services – Decision Making Insights