

CITY OF CALGARY  
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IN COUNCIL CHAMBER  
JUN 11 2020

ITEM: #7.2 AC2020-0622  
Public  
CITY CLERK'S DEPARTMENT



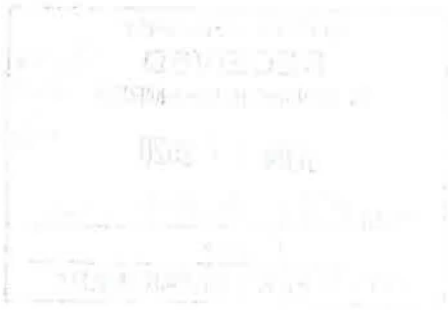
**Calgary**

City Auditor's Office

# Data Analytics Program

AC2020-0622  
Attachment 1  
ISC: UNRESTRICTED





## 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



**Calgary**

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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