

Strathcona County

Open Data Action Plan 2016

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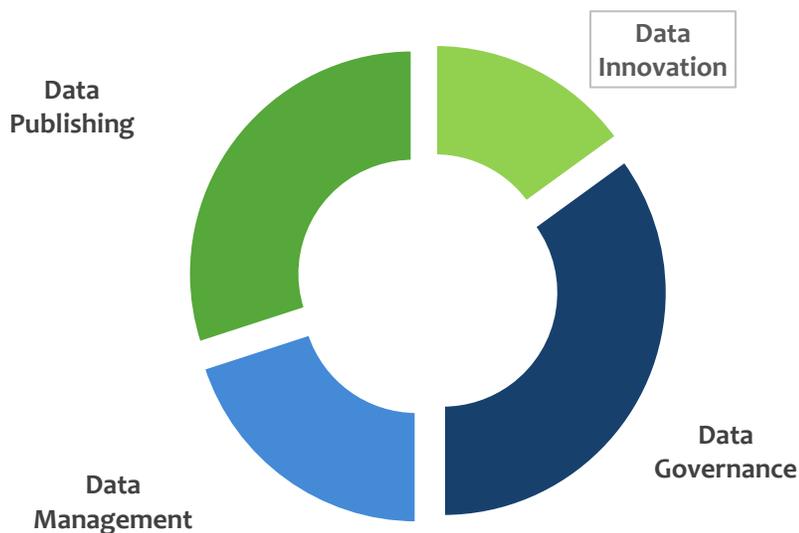


Executive Summary

This upcoming year is significant in the evolution of Open Data at Strathcona County as it emerges from an Information Technology Services based initiative to a corporate-wide program. To date the Open Data initiative has been operated primarily by the Open Data Coordinator. Although, it has been successful in its limited implementation the work has been sporadic, opportunistic and experimental in its development.

With the establishment of an Open Data Governance Committee the validity and authority of the Open Data program is also established. The plans for 2016 reflect this legitimacy and include the creation and approval of many foundational elements. It will be advantageous for a senior level cross-functional panel to review the principles and processes that are already in place and refine and approve new corporate standards. Along with solidifying the governance and generating institutional awareness and support, 2016 will see the growth of the Open Data catalog as well a focus on increasing the value of the data published.

Populating the Open Data Catalog with data sets and maps.



Encouraging use of the data, though engagement, business intelligence new applications/services.

Ensuring that the data is accurate, timely, accessible, reusable, properly defined, secured to appropriate level, and traceable to the source.

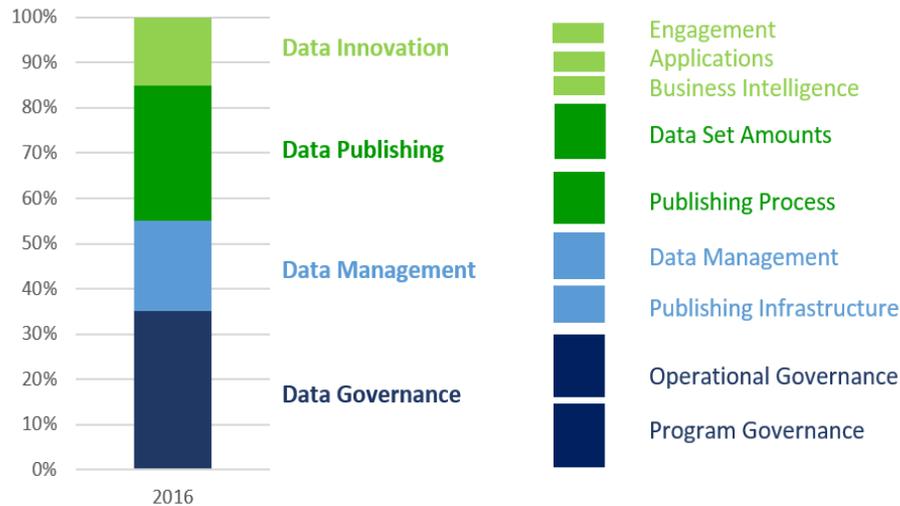
Governance and infrastructure which is required for any essential corporate service.

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2016 Goals and Objectives

This is an important year for the Open Data program in Strathcona County. There will be a balanced approach between continuing the progress and promotion of the program, with the establishment of some foundational elements and practices for long term sustainability.



Goal 1 – Establish Open Data Governance

- a. Establish program governance
- b. Establish operational governance

35 %

Goal 2 - Improve Open Data Management

- a. Improve data publishing infrastructure
- b. Improve the management of the data

20 %

Goal 3 – Increase Open Data Publishing

- a. Increase number of data sets published
- b. Improve publishing process

30 %

Goal 4 – Support Open Data Innovation

- a. Improve business intelligence of the data
- b. Support development of data driven applications
- c. Improve communication and engagement

15 %

2016 List of Tasks by Objective

The goals have been expanded to include planned tasks for the year.

1. Establish Open Data Governance

<p>1.1. Establish program governance</p>	<ul style="list-style-type: none"> • Actively engage Governance Committee • Develop and approve governing documents that align with existing corporate guidelines <ul style="list-style-type: none"> ○ Governance Committee Terms of Reference ○ Open Data Principles ○ Open Data Policy • Develop a growth and sustainability plan and budget
<p>1.2. Establish operational governance</p>	<ul style="list-style-type: none"> • Develop Open Data Guide Book <ul style="list-style-type: none"> ○ Document publishing process, evaluation framework and FOIP requirements for Open Data ○ Corporate meta data standards ○ Establish criteria for prioritizing work ○ Implement monitoring and reporting measures • Develop a 2016 Action Plan <ul style="list-style-type: none"> ○ Identify and prioritize upcoming projects • Align Opportunity Assessment model with corporate <ul style="list-style-type: none"> ○ Utilize strategic investment committee • Revamp tracking of Open Data issues and requests <ul style="list-style-type: none"> ○ Fully implement use of Service Manager ○ Modify portal to integrate with Service Manager ○ Automate routing of issues and requests • Actively participate in Data Governance development • Complete security audits of vendor

2. Open Data Management

<p>2.1. Improve data publishing infrastructure</p>	<ul style="list-style-type: none"> • Formalize integration techniques <ul style="list-style-type: none"> ○ Work closely with Data Services and Information Management teams ○ Align with Integration Strategy ○ Support development and use of Data Access and Abstraction Layer
<p>2.2. Improve management of the data</p>	<ul style="list-style-type: none"> • Support the corporate Data Management principles <ul style="list-style-type: none"> ○ Integrate meta data capture and storage with the Master Data Records initiative ○ Work with Information Management group to develop best practices • Understand data generation, storage and integration processes for each data set being published • Take opportunity to document and improve the operations of the data provider <ul style="list-style-type: none"> ○ Capture business processes in Blue Works whenever possible ○ Develop relevant integrations when publishing to enrich data set ○ Evaluate opportunities for improvement and automation and recommend any projects to the Governance Committee

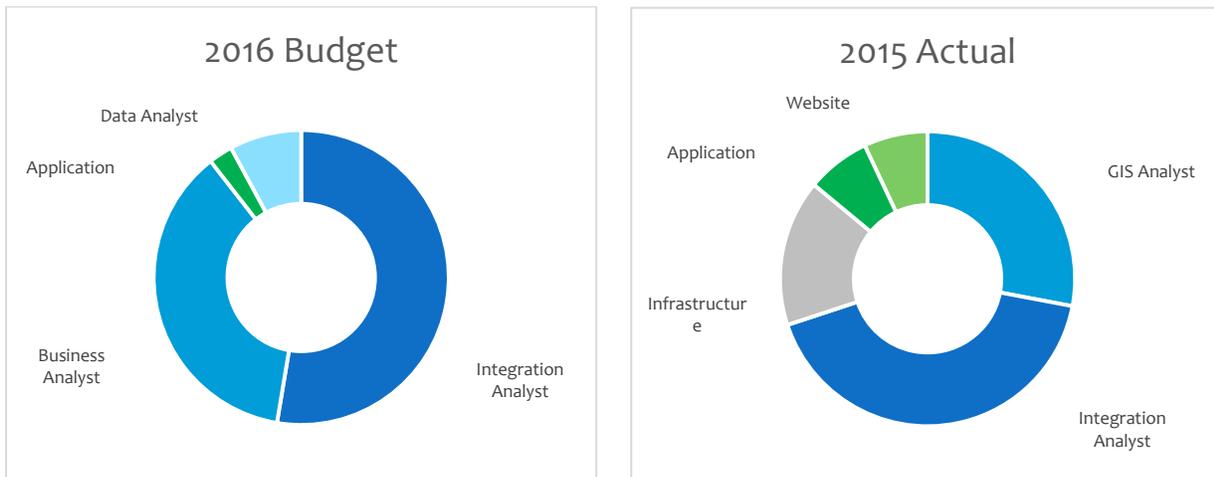
3. Open Data Publishing

<p>2.3. Increase number of data sets published</p>	<ul style="list-style-type: none"> • Target to publish data from each department <ul style="list-style-type: none"> ○ Review original data set inventory ○ Seek data that supports strategic initiatives ○ Open data that is already public • Open the platform to trusted entities that hold data valuable to the community as a whole. <ul style="list-style-type: none"> ○ Include data from approved partners that describes Strathcona County, its features and how it operates. • Utilize platform for internal reporting
<p>2.4. Improve Open Data publishing process</p>	<ul style="list-style-type: none"> • Fully deploy a data automation publishing service <ul style="list-style-type: none"> ○ Implement FME Server ○ Implement standardized ETL for all data set publishing • Make the platform more accessible to employees <ul style="list-style-type: none"> ○ Complete implementation of Single Sign On to Socrata ○ Enable permissioning and sharing within the Socrata platform utilizing existing email groups or employee hierarchy

4. Support use and foster Open Data innovation

<p>3.1. Improve business intelligence and use of the data</p>	<ul style="list-style-type: none"> • Use Open Data to address business problems <ul style="list-style-type: none"> ◦ Seek initiative to partner with ERP replacement program • Closer integration with Public Engagement • Deploy better, friendlier publishing of geographic data • Enrich data through effective storytelling • Streamline access to the portal for staff • Provide training on Open Data platform functionality • Promote successes and case studies • Recognize staff who practice open data • Work with ITS and departmental reporting teams
<p>3.2. Support development of data driven applications</p>	<ul style="list-style-type: none"> • Implement applications from trusted vendors • Support development of applications by the local Open Data Community • Integrate with 3rd party software <ul style="list-style-type: none"> ◦ Tableau, Excel BI, Knime
<p>3.3. Improve communication and engagement</p>	<ul style="list-style-type: none"> • Showcase case studies and stories <ul style="list-style-type: none"> ◦ Publish plans, milestones, achievements and performance measures publicly • Publicize challenges and opportunities for existing data sets • Give presentations and write articles for industry audiences • Apply for awards, recognition • Outreach with local community <ul style="list-style-type: none"> ◦ Work locally with journalists, chamber of commerce ◦ Open learning through library classes • Work with peers <ul style="list-style-type: none"> ◦ Greater Edmonton Region ◦ Alberta Open Data Group ◦ MISA National Special Interest Group • Integrate into school curriculum <ul style="list-style-type: none"> ◦ University of Alberta projects ◦ EIPS classroom and independent projects

2016 Fund Allocation



Allocation of the 2016 Open Data fund items relates to their importance at this stage of the program.

Role	Budget	Description
Integration Analyst	\$100k	12 month contract position
Business Analyst	\$ 60k	6 month temporary position
Data Analyst	\$ 25k	Summer internship (NAIT)
Application	\$ 10k	Tableau single user license

The list of goals and objectives for 2016 is aggressive and optimistic and relies upon additional support. Fortunately, the Open Data initiative has been funded \$200k for the 2016 calendar year, as a result of a funding request in 2014. The majority of the funding for 2016 will be attributed to resources. In particular, three positions are required.

Integration Analyst – responsible for integration of data sources and automation of publishing process. This is a specialized skill set that requires a technical background, preferably for both tabular and geospatial data.

Business Analyst – responsible for documentation of all data projects, managing and reporting status of all open data projects.

Data Analyst – responsible for analytics and presentation of the data once published to the Open Data portal.

Application – a single user license for Tableau, a data analytics and visual product.