City of Fort Collins

Open Fort Collins:

A framework for advancing transparency and solutions to complex problems

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What is Open Data?

"Open data is data that can be freely used, re-used and redistributed by anyone - subject only, at most, to the requirement to attribute and share alike."

– The Open Data Handbook

Fort Collins Goals

The City is exploring the creation of an open data platform to utilize data to solve complex problems.

Establishing such a platform will require knowledge about resourcing, changes in business process, governance, potential data sources, enticing citizen use, and preparing for potential change management issues within the organization.

Project Team Deliverables

- ✓ Internal Open Data Policy for Fort Collins

- ✓ Existing data inventory and recommendations for future uses

- ✓ Comprehensive profile of other open data portals and what will meet the needs of Fort Collins

- ✓ Recommendations to be included in a RFP for an Open Data Platform

Open Data Steps to Implementation

1. Gather a team

2. Develop an open data policy

3. Identify data for release

4. Launch and market the open data program

5. Review and improve the open data program (continuously)

Source: Getting Started with Open Data
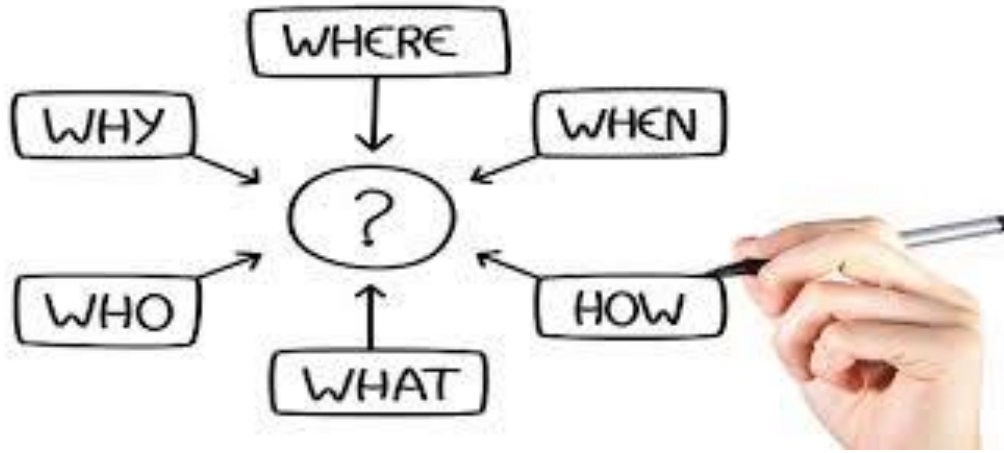
1. Gather a Team

- ✓ Sponsorship Team has been established!

- ❑ Requires an Execution Team going forward

  - ❑ Diverse group
  - ❑ Meet regularly

2. Develop an Open Data Policy

Question: Why do we need a policy?

❑ Assign responsibilities for team members

❑ Set guidelines for Open Data Administration

❑ Outline the collection, distribution, and maintenance of datasets

❑ Create safeguards to ensure private information is not rele

Open Data Policy Roles & Responsibilities

A key component for success is to make sure everyone understands their role and responsibility!

- ❑ Open Data Champions
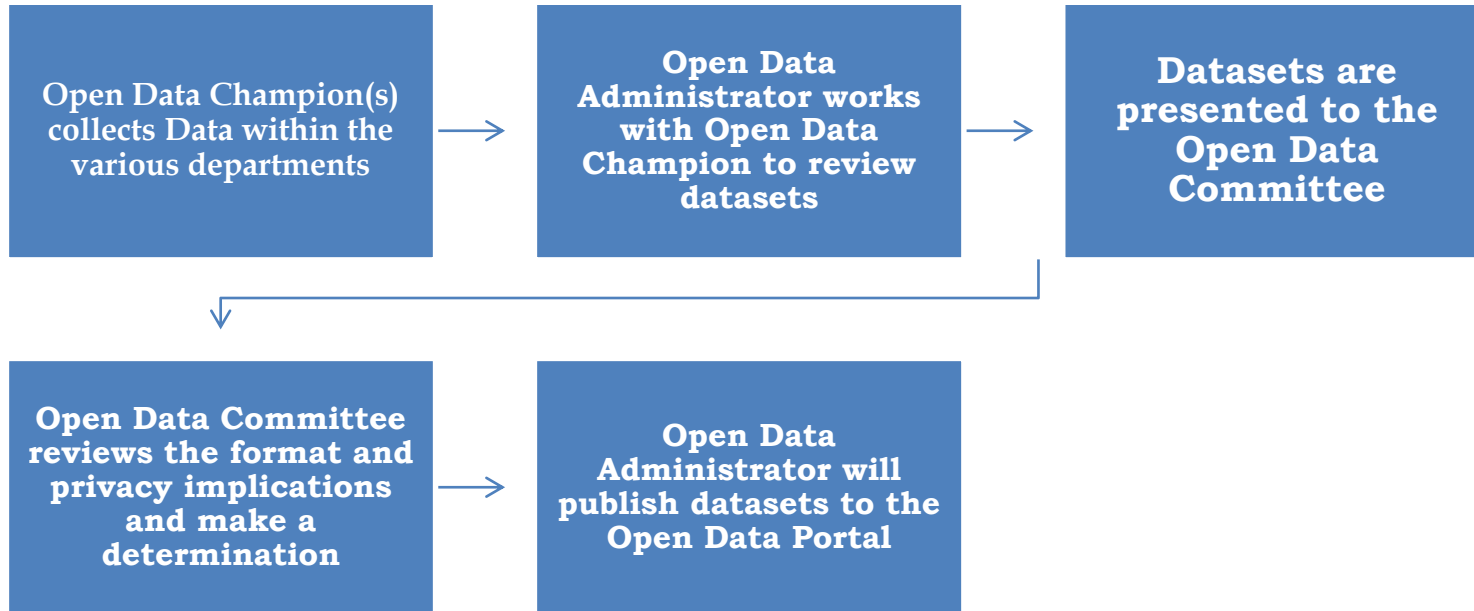- ❑ Open Data Administrator
- ❑ Open Data Committee

Open Data Policy Roles & Responsibilities

❑ **Data Champions - C**ollects and maintains a comprehensive inventory of datasets from their respective department

❑ **Open Date Administrator -** Point person responsible for the final collection process and publication of datasets on portal

❑ Open Data Committee – responsible for oversight of the Open Data portal, the committee should consists of legal representation for the City of Fort Collins, the Open Data Administrator, City Manager's Office appointee, Chief Information Officer, and any other individuals deemed necessary

Open Data Policy Process

Open Data Champion(s) collects Data within the various departments

→

Open Data Administrator works with Open Data Champion to review datasets

→

Datasets are presented to the Open Data Committee

Open Data Committee reviews the format and privacy implications and make a determination

→

Open Data Administrator will publish datasets to the Open Data Portal

3. Identify Data for Release

Use of The Open Data Prioritization Toolkit can assist in evaluating datasets to release.

❑ The first step is developing a comprehensive inventory of available data sets

❑ Once an inventory has been created the evaluation process needs to begin

❑ The Toolkit consists of the following workbooks: Dataset Attributes; Dataset Inventory, Dataset Evaluation Factors; Data Evaluation Workbook, Data Prioritization Matrix

Current Fort Collins Environment

Fort Collins is "primed" to introduce an open data platform!

✓ Significant progress on its journey to transparency…

- Accessible Financial records, Crime Stats, Geospatial Data, Performance Measurements, Land Use and a Community Dashboard

✓ High-Performing Organization with commitments to accountability (benchmarking), continuous improvement and creativity.

✓ Information located in several different places and formats.

✓ Community partners and demographics are assets…

- Colorado State University, highly educated population, Galvanized, etc.
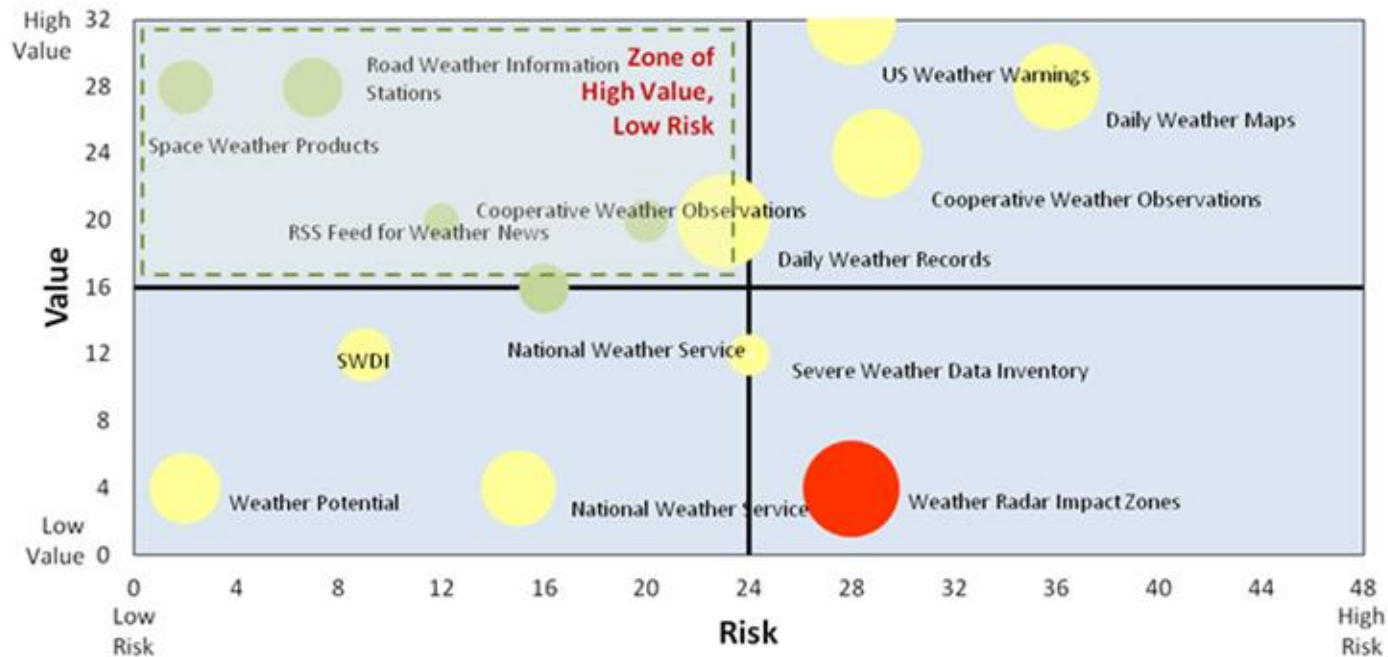
Fort Collins Data Catalog

- ✓ City Spending
- ✓ Public Safety
- ✓ Traffic/Transportation
- ✓ GIS
- ✓ Public Works/Utilities
- ✓ Development Proposals
- ✓ Stream Stage Report
- ✓ Census and Demographic Data
- ✓ Community Performance Measurement Dashboard by Outcome area

Releasing Data through a Phased Approach

Data Prioritization Matrix

Community Interests

Resident Rankings

Outcome Area

1. Transportation   =   Infrastructure & Transportation
2. Crime Stats   =   Public Safety
3. City Expenses   =   Governance
4. **Citizen Complaints** =   Governance
5. Building Permits/Redevelopment = Econ Dev & Redevelopment
6. Utility Usage   =   Environmental & Energy
7. Sales Tax Information =   Governance, Econ Development
8. Stream Flow   =   Environmental & Energy, Quality of Life
9. City Salaries   =   Governance
10. Nuisance Code Violations =   Quality of Life

Common Datasets in Comparable Cities

Finance/Administration/Responsive Government

- ❑ Salaries and Benefits
- ❑ 311 Closed Requests
- ❑ FTEs
- ❑ Operating Budget
- ❑ Revenues
- ❑ Expenditures
- ❑ Capital Investment Map
- ❑ Contracts/Procurement/Vendor List

Common Datasets in Comparable Cities

Economic Development/Growth Competitiveness

- ❑ New Business List
- ❑ Tech Startups Mapping
- ❑ Labor & Unemployment
- ❑ Poverty
- ❑ Business Licenses
- ❑ Major Employers

Land Use/Planning

- ❑ Adapted Reuse Development
- ❑ Demolitions
- ❑ Land Use Designations

Common Datasets in Comparable Cities

Roads/Transportation/Mobility and Connectivity

- ❑ Walkability
- ❑ Vehicle Accidents with pedestrians and bicycles
- ❑ Traffic Flow
- ❑ Pavement Condition Index
- ❑ Commuters
- ❑ Bike/Walk path connectivity
- ❑ Live Traffic Map
- ❑ Bike Racks
- ❑ Sidewalk networks

Common Datasets in Comparable Cities

Public Works/Infrastructure

- ❑ Sewer Overflows
- ❑ Waterline breaks
- ❑ Recycling Percentage
- ❑ Waste Diverted
- ❑ Power Outages
- ❑ Pedestrian Crossing Improvements
- ❑ Pothole locations & response time
- ❑ Solid Waste Tonnage

Common Datasets in Comparable Cities

Environment and Sustainability

- ❑ Air Quality
- ❑ Greenhouse Gas Emissions
- ❑ Water Use per capita
- ❑ Street Tree Map
- ❑ Electronic Charging Stations
- ❑ Recycling Percentage

Common Datasets in Comparable Cities

Community Involvement/Engagement

- ❑ Voter Turnout
- ❑ Volunteer Hours

Art and Culture

- ❑ Public Art
- ❑ Special Events map

Common Datasets in Comparable Cities

Public Safety

- ❑ 911 Calls
- ❑ Police Incidents
- ❑ Part I Crimes
- ❑ Crimes by District/Beat
- ❑ Fire Incidents
- ❑ Fire Hydrant locations

Common Datasets in Comparable Cities

Neighborhoods
- ❑ Demographics by Census Tracts
- ❑ Housing Occupancy, Housing Stock Age
- ❑ Code Violations

Human Services
- ❑ Homelessness
- ❑ City Funded Services
- ❑ Clients Served

Common Datasets in Comparable Cities

Emergency Preparedness

- ❑ AED Locations
- ❑ Flood Zones
- ❑ River/creek Levels

Selecting the Right Technology

Discussion/Survey
- Fort Collins Staff
- User Communities

Identify Vendors
- OpenGov
- Junar
- Socrata

Factors Considered – "We want it all"

- Aesthetics
- User Friendliness
- Data Manipulation Ability
- Software/Data Integration
- Technology and Innovation
- Ability to Engage Public
- Context and story telling

39. Overall, what are the most important criteria to you in deciding on an open data portal? 1 being the most important item of consideration.

- Cost
- Customization
- Integrated Data manipulation
- Visual appeal
- Data download options
- Ease of inputting data systems into the site
- Ease for users
- Having an already well developed user community
- Having an already well developed developer community

OPENGOV

- ✓ Visually Pleasing
- ✓ User Friendly
- ✓ Limited data applicability
  - ▪ mostly financial data currently
  - ▪ Seeking ways to expand

Example users:

Northglenn, CO

McKinney, TX

Edgewood, KY

Anoka County, MN

Douglas County, MN

Hallandale Beach, FL

junar

- Handle any type of data set
- Very customizable
- Ability to create dashboards
- Extremely affordable
- Does not offer specific financial or performance measurement model
- Not currently supporting GIS mapping

Examples:

Pasadena, CA

Anaheim, CA

Palo Alto, CA

Mesa, AZ

Evanston, IL

- ✓ Cloud platform
- ✓ Data automation tools work with almost any vendor
- ✓ Easily exportable data
- ✓ Comprehensive integrated modules
- ✓ Ability to consolidate all Fort Collins platforms into one hub
- ✓ Ability to create reports with imbedded graphs
- ✓ Allows you to tell the story
- ✓ Similar look and feel of all Socrata customers

Socrata Products

A. Open Data Portal

- ❏ Crime data – City of Chicago
- ❏ Perspectives, story telling
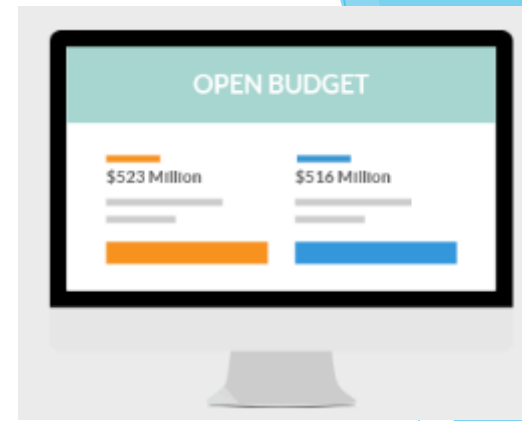
B. Open Performance

- ❏ State of Michigan

C. Public Finance

- ❏ Open Budget - Topeka, KS
- ❏ Open Expenditures - Davenport, IA
- ❏ Open Payroll - Los Angeles, CA

D. Public Safety

- ❏ Crimereports.com
- ❏ Open Performance
- ❏ Open Data Portal (John's Creek Police)

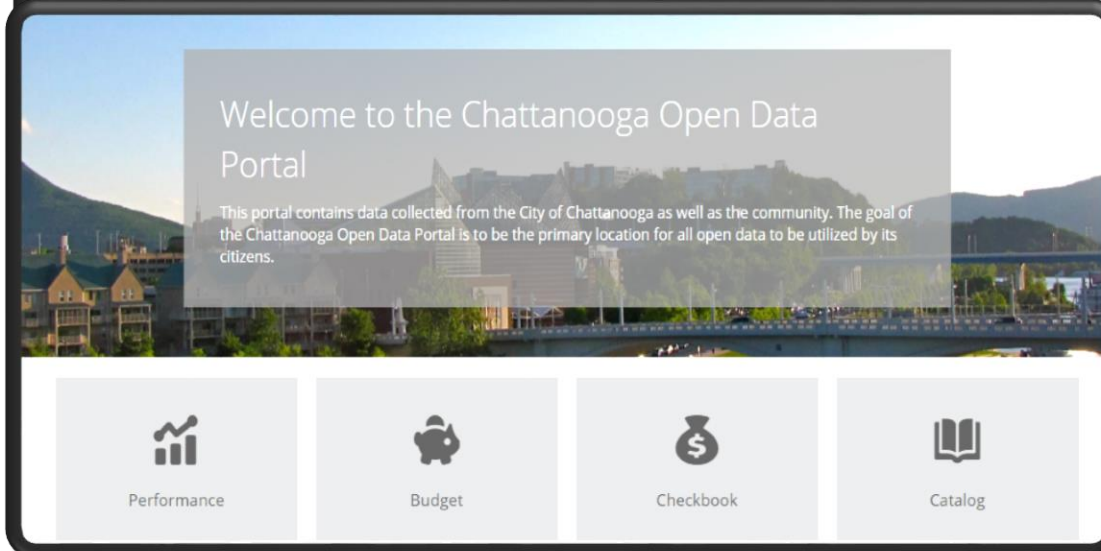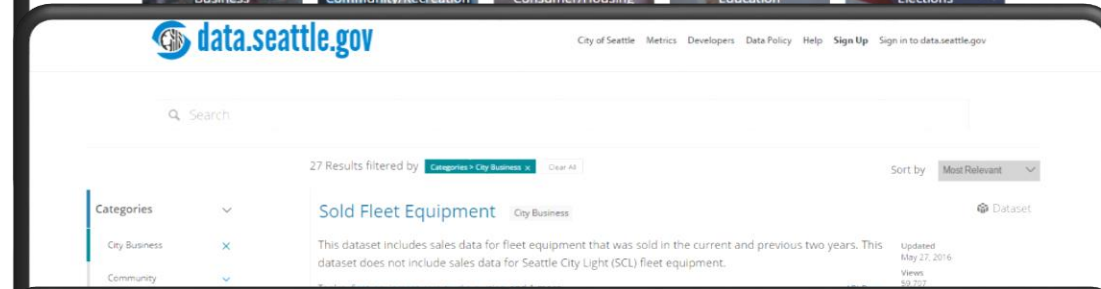# Socrata Examples

Kansas City, MO

Los Angles County, CA

Montgomery County, MD

Douglas County, CO

Seattle, WA

Chattanooga, TN

![Socrata logo]

Our Recommendation:

Fort Collins…

✓ Is a known leader in government transparency

✓ Has a desire to take transparency to the next level

 Socrata meets or exceeds the criteria/desires identified!

✓ Example, City of Los Angles Comprehensive Annual Finance Report (CAFR).

✓ Provides data, ability to manipulate and integrate…

✓ Contextual storyline for public, staff, elected officials and others to first understand …

✓ Maximum utilization of open data for the community

4. Launch and Market the Open Data Program

Public Engagement

- ❑ Internal- Get staff involved
- ❑ External
    - ❑ Hackathons
    - ❑ Outreach to potential users

5. Continuous Review and Improve

An Open Data program is never… done!

- ❑ Keep data sets refreshed and updated

- ❑ Continue to add and expand available data