Open Data Overview

April 2014
• On October 21, 2013, the Premier announced Ontario’s Open Government Initiative.

• Premier “asked each of our 27 ministries to develop a plan on how they will become open and engaged.”

“Our Open Government Initiative will help create the transparent, accessible government the people of Ontario deserve. This is part of our vision for One Ontario, where every voice counts.”

- Kathleen Wynne, Premier of Ontario
Ontario’s Open Government Strategy

Open Dialogue
Providing citizens with more opportunities to contribute meaningful input into government policies and programs.
- Open Government survey
- Open Government Engagement Team Report

Open Data
Making government data available so that citizens and businesses can develop new ideas, services and applications.
- Open Government (Data) License
- Open Data Events & Partnerships
- Data Inventory (first jurisdiction to complete)
- Data Scientists - Education, Transportation, Finance Proof of Concepts
- Data Inventory Voting Tool – launch April 14th

Open Information
Making more government information open to the public on a proactive and ongoing basis.
- Introduced Bill 179, the Public Sector Accountability and Transparency Act, 2014
  If passed, will strengthen political accountability, enhance oversight, and increase transparency in the government and the Broader Public Sector (BPS).

Open Data Program Overview

**Phase 1**
- **April 2012**
  - Develop Supporting Materials & Process
    - Open Data Publishing Guidebook
  - Develop Open Data License
    - New Open Data Terms of Use
  - Launch Open Data Catalogue
    - 63 datasets

**Phase 2**
- **December 2012**
  - Evolve Platform/Catalogue
    - Common National Licence Template
    - Over 100 new datasets
  - Consult Internal & External Stakeholders
    - Data Inventory
    - Public Voting tool
    - Community Engagement and Events
  - Expand Open Data Deliverables
    - Formalize Open Data principles and requirements
    - Release high-value datasets from multiple ministries

**Timeline**
- **April 2012**
- **November 2012**
- **December 2012**
- **Summer 2014**
Open Data Publishing Guidebook

- Single source of information and best practices on how to identify, assess, prepare, obtain approvals and publish data sets on Ontario.ca/opendata.
- Promotes adoption of enterprise-wide Open Government Licence.
- Emphasizes open data risk assessment and management approaches.
- Result of crowdsourced efforts, with input from Open Data Advisory Group, ministries and I&IT clusters.
- Aligns with Cabinet Office Communications’ guidelines.
Step 1: Identifying Data
- Quantitative information
- Frequent Freedom of Information (FOI) requests
- Databases with information on economy, demographics, labour, government operations etc.

Step 2: Assessing Data
- Ministry conducts risk assessment for Data Quality, Legal Technical, Privacy, Security and Communications risks

Step 3: Preparing Data
- Steps to ensure data can be published in an open file format and under the Open Data Terms of Use
- Risk mitigation measures

Step 4: Approving Data
- Approvals package with checklist and instructions

Step 5: Publishing Data
- Background information for Housebook note and briefing package for Minister’s Office
Open Government Licence

- From January to May 2013, Ontario worked with the Federal Government, Alberta and British Columbia to develop a common national Open Government licence.

- On June 18, 2013 Ontario adopted the Open Government Licence that:
  - Makes it easier for users to manage their use of data from several jurisdictions.
  - Allows other jurisdictions to quickly implement Open Data initiatives.

- Moving to the new common licence enables Ontario to address the key criticisms of the current licence and demonstrate leadership at a national level.

Open data catalogue

Ontario + open data - we like the sound of that. We’re hoping to unleash a new generation of winning ideas, services and applications.

Environmental compliance reports
Annual summaries for all regions on: air emissions municipal/private sewage discharges industrial sewage discharges
Date published: April 2014 Publisher: Environment
File types: CSV, XLS

Private school contact information
Contact information for private elementary and secondary schools.
Date published: March 2014 Publisher: Education
File types: XLSX

Energy use and greenhouse gas emissions for the Broader Public Sector
Shows the amount of energy used and greenhouse gases (GHG) emitted for the Broader Public Sector, i.e., municipalities, municipal service boards, school boards, universities, colleges and hospitals.
Date published: February 2014 Publisher: Energy
File types: XLSX, CSV Tags: Air quality

Licensed toxic planners
A list of all the currently licensed toxic planners in Ontario.
Date published: January 2014 Publisher: Environment
File types: XLSX, CSV
<table>
<thead>
<tr>
<th>Ministry</th>
<th>Datasets</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINANCE</td>
<td>1</td>
<td>Macroeconomic indicators (GDP, productivity, trade, etc.).</td>
</tr>
<tr>
<td>TRANSPORTATION</td>
<td>10</td>
<td>Ontario highway and roads infrastructure information including condition, service locations, and work underway.</td>
</tr>
<tr>
<td>ENVIRONMENT</td>
<td>28</td>
<td>Information on Ontario’s water and air, as well as waste management.</td>
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<tr>
<td>RESEARCH &amp; INNOVATION</td>
<td>10</td>
<td>Research Funding by program</td>
</tr>
<tr>
<td>EDUCATION</td>
<td>3</td>
<td>School locations</td>
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<tr>
<td>NATURAL RESOURCES</td>
<td>76</td>
<td>Geospatial data, natural resources.</td>
</tr>
<tr>
<td>AGRICULTURE &amp; FOOD</td>
<td>5</td>
<td>Location of multiple farming related services such as farmers markets, meat plants, and farm implement dealers.</td>
</tr>
<tr>
<td>TOURISM, CULTURE &amp; SPORT</td>
<td>14</td>
<td>Tourism infrastructure and usage across Ontario.</td>
</tr>
<tr>
<td>NORTHERN DEVELOPMENT &amp; MINES</td>
<td>13</td>
<td>Geological and geochemical information of multiple mineral deposits.</td>
</tr>
<tr>
<td>GOVERNMENT SERVICES</td>
<td>6</td>
<td>Most popular baby names, archive statistics</td>
</tr>
<tr>
<td>TOTAL</td>
<td>177</td>
<td></td>
</tr>
</tbody>
</table>
New Data: What We Are Tracking

Recently Published:

- Ontario Public Service and Broader Public Service energy consumption
- Research Funding (detailed data on $1.3B of Ontario research funding)
- Air/water quality, Green House Gases and Pollution
- School contact info and enrollment
- Flu Shot Clinics
- Ontario Library Statistics

In the “pipeline”:

- Procurement contracts (consultant services, contract awards above 25K)
- Sport Fish Guide
- Salary disclosure and Travel, meals, hospitality expenses
- Crime data
- More school data (class size, curriculum)
- Court/correction services statistics
- University/college enrollments
- Capital/operating grants to colleges and universities
- Tax related data
Ontario Data Inventory

- Building a master list of the Ontario government’s data assets helps to plan future data releases on Ontario’s Open Data Catalogue.

- The datasets submitted by ministries went through review process (e.g. legal, communications, information management, accessibility, French requirements) to create a sub-set (public list) to be posted on Ontario.ca.

- Ontario.ca will have a simple voting tool for citizens to “like” or earmark the datasets they are interested in.

- The voting tool will help in determining which datasets should be prioritized for publication in the near future.

- The inventory also provides a detailed list of Ontario data assets that will:
  - Form a baseline for future iterations of the inventory
  - Inform future endeavours to improve Ontario data management
  - Be used to solicit feedback on datasets that public are interested in.
Ontario Data Inventory

The inventory collected information on a wide variety of data assets, including:

- **Corporate Data** – Examples include workforce characteristics, financial performance, and asset characteristics.

- **Operational and Program Data** – Examples include customer behaviour, program costs, and service locations.

- **Policy and Strategy Data** – Examples include market data, economic competitiveness, industry tracking, supply and demand projections.

- **Evaluation and Performance Data** – Examples include program performance data, BPS service delivery reports, and web traffic statistics.
**News Release**

**Engaging the Public on Open Data**

April 14, 2014

**Ontario the First Province in Canada to Create Data Inventory for Public Input**

As part of its Open Government initiative, Ontario is launching an online inventory of government data sets for the public to vote on.

The provincial government collects and generates vast amounts of data on topics like traffic, student achievement and healthcare wait times. This new voting tool will:

- Let the people of Ontario determine what data sets they want the government to make public first;
- Help focus the government's efforts and resources by prioritizing the release of data.

Creating a more open and transparent government is part of the government's economic plan that is creating jobs for today and tomorrow. The comprehensive plan and its six priorities focus on Ontario's greatest strengths - its people and strategic partnerships.
Open Data Voting tool Demo

Vote for open data

The Ontario government has a lot of useful data, and we want to share it with you. Now you can vote on the data you want to see made public. Your feedback helps us open the data that matters most to you. Our inventory will grow as more potential open data is identified. Check back to vote on new additions.

Visit the open data home page for more details.

Search for datasets

- All ministries
- All topics

Search

Showing 10 of 1014 random datasets

Mineral exploration plans and permits

Data from exploration plans and permit applications. The data includes names, type of exploration activities, claim numbers, location, claim holder, qualified supervisor and anticipated project start date.

- Vote!
- Share

- Topic: Rural and remote
- Ministry: Northern Development and Mines

Community Museum Operating and Pay Equity Grants

Includes basic information collected during the application process regarding the organization, approved amounts and grant payment history from 1996-2012.

- Vote!
- Share

- Topic: Government
- Ministry: Tourism, Culture and Sport

Ontario
Engagement Team

• In October 2013, the Government appointed a nine-member panel (“Engagement Team”), representing a cross-section of fields of expertise, to consult with the public and stakeholders and report back on how the Government could be more open and engaged.

• The Engagement Team from November 2013 to February 2014 travelled the province and spoke with over 300 people in person during 9 separate meetings and engaged more than 240 people through online conversations.

• The Engagement Team submitted their report to Minister Milloy in a public event on March 27, 2014. The report was simultaneously released the same day to the public (i.e. posted on Ontario.ca/open).

• The report contains 17 recommendations, many of which have several parts. The recommendations are categorized under Open Dialogue, Open Information, Open Data, and Implementation and Sustainability.
Engagement Team Report: Open Data
https://www.ontario.ca/government/open-default-new-way-forward-ontario

Making Data a Public Asset:

3-1 Implement an Open by Default data policy that includes the following direction:

a) Publish all government data in commonly accepted open standards, unless there are privacy, security or legal reasons for not doing so.
b) Publish data in a timely manner, at the highest level of detail possible in machine readable format.
c) Make data available free of charge on non-proprietary or commonly/widely adopted formats.
d) Ensure no data is destroyed.
e) Waive intellectual property for data the government collects or creates and ensure it does not transfer intellectual property of data to a third party.
f) Extend Open by Default principles to agencies and broader public sector organizations when renewing existing governance agreements (e.g. Memorandums of Understanding).

3-2 Amend procurement policies to require that information technology (IT) purchases support Open Data.

i. Require that all new purchases store and manage data on platforms with commonly accepted open standards, starting immediately.

ii. Develop a strategy to transition all IT systems to comply with this standard by 2017.
Making Data a Public Asset:

3-3 Promote the rigorous management of Ontario’s Open Data portal tying it to a larger IT infrastructure that holds datasets that are not subject to an Open by Default policy for privacy, security or other legal reasons. These datasets should be protected by a firewall.

3-4 Develop partnerships to promote the use of data for economic, social and policy development

a) The department responsible for Open Data should work with other levels of government and stakeholders to increase the interoperability and usefulness of data, including through community collaboration, feedback and quality control of datasets.

b) As appropriate, the MEDT/MRI and the department responsible for Open Government should engage with industry to raise the awareness of the economic potential of Open Data and to identify strategic opportunities for the commercial use of government datasets.

c) As appropriate, the MEDT/MRI and the department responsible for Open Government should develop educational programs and tools to promote a data-literate society, particularly within government and the not-for-profit sector.

3-5 Develop comprehensive datasets based on key social and economic indicators at the community, regional and provincial levels to support social research and planning and conduct outreach to community organizations to inform them of these datasets. The government should consider Newfoundland and Labrador’s Community Accounts as a best
Uses of Ontario Data

Two days after the Open Data catalogue was launched, a data journalist used Ontario data to inform citizens on the quality of drinking water by analysing and overlaying the data on Google maps.

Drinking Water "Where does my water come from?" Map data

This "Where does my water come from?" map provides a Google Earth view of drinking water treatment facilities and distribution systems serving Ontario communities. It provides some key information about each system, including its water source.

Provincial (Stream) Water Quality Monitoring Network (PWGMN) data

This PWGMN dataset provides stream water quality monitoring data for a number of parameters including chloride, nutrients and metals.

William Wolfe-Wylie

Published: November 13, 2012, 3:19 pm
Updated: 71 days ago
myBlueprint is the easiest way to plan your education and career.

With this program students are engaged in the process of setting goals, recording their activities and planning their future. - Education Forum Review
Collision Reporting

Understanding Collisions

The purpose of this proof of concept is to explore the Ontario Collision Repository (OCP) and to visualize the underlying nuances found within the data. The OCP represents a yearly data holding managed by the MTO, it holds around 1 million collision entries per year, and contains collision descriptives, vehicle information, involved persons, and driver information. These visuals focus solely on collision recorded in 2008.

Toronto

136,700

Collisions

<table>
<thead>
<tr>
<th>Census Population</th>
<th>2,623,519</th>
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<tr>
<td>Census Risk Level</td>
<td>High</td>
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<td>Census Risk Rank</td>
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Ontario

Population Projections

Ontario Population Projections by single age group

This report presents updated population projections for Ontario and each of its 49 census divisions, by age and sex, from the new base year of 2012 to 2036. These projections are produced by the Ontario Ministry of Finance and are an update of the projections released in spring 2012, based on the 2006 Census.

Region Selected: London
Source: Statistics Canada
Indicator Selected: Net Migration
Indicator Description: The difference between emigration and immigration by economic region.
Ontario

**Linking Courses To Jobs**

**Job Pathways for Students**

This demo enables high school students to identify pathways to high demand jobs. The connections are based on linkages between occupational codes released in 2011 by Human Resources and Skills Development Canada, Ontario Job Futures, Apprenticeship data, and high school perquisites by program from the University of Ottawa.