Meeting #11

September 26, 2016

COUNCIL ON OPEN DATA

DEPARTMENT OF INFORMATION TECHNOLOGY

Opening Remarks

Lou Estrada,

Deputy Secretary
Department of Information Technology

Today's Agenda

- **Opening Remarks (10 mins)** Speaker: Lou Estrada, Chair (Department of Information Technology)

- **News Items and Updates (10 mins)** Speaker: Julia Fischer, GIO (Department of Information Technology)
    - Personnel Change Announcements
    - New federation between data.maryland.gov and Queen Anne's County's new Open Data Portal
    - Changes in data.maryland.gov search catalog
    - New training videos for data.maryland.gov State users

- **Governor Hogan's Performance Improvement Dashboard (10 mins)** Speaker: Laura Bruner, Analyst (Governor's Office of Performance Improvement)
    - Introduce and answer questions about the Governor's new Performance Improvement Dashboard.

- **Council on Open Data Recommendations and Goals – 2016 (from 2015 Annual Report) (20 mins)** Speaker: Julia Fischer
    - Review progress to-date and expected progress through the rest of the year, of the 11 goals set forth in the Council's 2016 annual report.

- **Council on Open Data Recommendations and Goals – 2017 (20 mins)** Speaker: Josh Exler, Open Data Project Manager (ESRGC)
  - Discuss goals to be set forth in the Council's 2017 annual report, including unmet 2016 goals and new initiatives.

- **Public Information Act (PIA) Consolidated Metadata Tracking (20 mins)** Speaker: Josh Exler
  - Proposal of several options for tracking PIA metadata across all state agencies and discuss benefits and drawbacks of each.
  - Preview and discuss a survey referencing current practices for tracking PIA metadata, to be distributed to state agencies' PIA contacts.

- **Customer Service Survey (10 mins) Speaker:** Josh Exler
  - Preview Open Data Portal customer survey

- **Dataset Freshness Report for data.maryland.gov (10 mins)** Speaker: Josh Exler
  - Present statistics on Open Data Portal datasets, including how many are up-to-date and how many are not.
  - Nominate old datasets, with no data updates planned, for deletion.

News Items & Updates

Personnel Change Announcements

- Julia Fischer is now the Geographic Information Officer (GIO) for the Department of Information Technology (DoIT).

- Luis Luna is now Assistant Secretary for Facilities Operation & Maintenance at the Department of General Services (DGS).
    - The Governor's Office of Performance Improvement (GOPI) will soon have a new Director.
    - As per the Open Data Act, the Director of GOPI is the Vice Chair of the Council on Open Data. Therefore, there is a temporary vacancy in the Vice Chair position, but it will be filled soon.

Additional News Items & Updates

- New federation between data.maryland.gov and Queen Anne's County's new Open Data Portal
  - *Open Data Queen Anne's County* (https://data.qac.org/) launched in July
  - All datasets from this new site have been federated to the Open Data Portal (http://data.maryland.gov), meaning that they have been indexed in the search catalog. Each of Queen Anne's County's datasets is directly linked to in the http://data.maryland.gov catalog.
  - Queen Anne's County joins Montgomery County, Howard County, and Baltimore City in Maryland jurisdictions with dedicated Open Data sites federated to data.maryland.gov.

- Changes in data.maryland.gov search catalog
  - The most recently updated datasets, graphs, and maps are now shown first.
  - This was initiated by DoIT, to break the self-perpetuating cycle of front-page datasets receiving the most traffic. For example, a dataset on FY12 payments by the State was stuck on page one, despite newer spending datasets being available.

- New training videos coming soon for data.maryland.gov State users

- Group picture!

Governor's Office of Performance Improvement:
New Dashboard for Performance Measurement

GOVERNOR'S OFFICE OF
PERFORMANCE IMPROVEMENT

Search 🔍

HOME   NEWS   ABOUT   CONTACT

Maryland's Open Data Portal

🏠 Map Data
◈ Find Information
🔍 Research
🖼 YOUR

30.8%

Maryland **state agencies' reduction in energy use** (kWh) from FY08 to FY15

Track Our Progress

> MD's Open Data Portal

Maryland Interactive Performance Dashboard

A data-based tool measuring Maryland's progress under Governor Hogan

Creating Jobs

Reducing Taxes & Fees

Ensuring Fiscal Responsibility

Reforming Government

Improving Quality of Life

Larry Hogan
Governor

Boyd K. Rutherford
Lt. Governor

Maryland iMAP

Your state's resource for extensive geographic information and mapping solutions

Maryland's Open Data Portal

Click here to see all of Maryland's public data.

ECONOMIC DEVELOPMENT AND JOBS

Since Governor Hogan has been in office, we have added more than 55,000 new jobs – the largest gain in the mid-Atlantic region – and we're adding jobs at one of the fastest rates in the entire country. Here we'll specifically cover what we're doing about education, state contracts, employment, justice and infrastructure to change Maryland for the better. The way this works is simple. We present a topic, then go over what our Administration and it's staff are doing to improve the situation. We'll start with a general overview. If you want to get into the details we've got that too.

Education

Kindergarten Readiness	High School Graduation Rate	Advanced High School Coursework	High School Equivalency Awards	Post-secondary Degrees	Degree Attainment
81	**80.3**	**69.1**	**89.7**	**1,650**	**12.8**
Percent	Percent proficient or above on math MSA	Percent proficient or above on math MSA	Percent	Points	Teen births per 1,000
Detail >	Detail >	Detail >	Detail >	Detail >	Detail >

School Facilities
67.9
Percent of mothers who had prenatal care
Detail >

State Contracts
percentage of state contracts awarded to...

Minority owned businesses	Certified small businesses	Veteran-owned businesses
3.2	**40**	**4,871**
Average score on a 1-4 scale (A-best)	Millions of times (web, social media, 311, etc.)	Attendants
Detail >	Detail >	Detail >

ECONOMIC DEVELOPMENT & JOBS

EDUCATION

Kindergarten Readiness

Percentage of students entering kindergarten demonstrating full readiness on the Kindergarten Readiness Assessment

The percentage of new kindergarten students demonstrating the foundational knowledge, skills and behaviors to fully participate and succeed in school, as measured by the Kindergarten Readiness Assessment (KRA).

181,342 At Full Readiness   200,000

Final Result from Apr 2015   May 2016 Target

Almost met target

Research indicates that the skills and knowledge children have when they enter school are good predictors of future academic success. The Kindergarten Readiness Assessment measures readiness in four learning "domains": Language and Literacy; Mathematics; Social Foundations; and Physical Well-being and Motor Development.

To learn more about the Kindergarten Readiness Assessment and to view the 2015-16 Kindergarten Readiness Report, Click here

2016 Goals & Recommendations (from 2015 Annual Report)

2016 Goals & Recommendations (from 2015 Annual Report)

- 1. The Department of Budget and Management (DBM), DoIT, and state agencies should collaborate with the Governor's Office of Performance Improvement (GOPI) to open and publish Managing for Results (MFR) data and other datasets identified by GOPI.
  - **In Progress.** Full MFR dashboards and data will not be published this year. GOPI has helped agencies identify and publish high-value data.
- 2. GOPI should monitor agency and gubernatorial initiatives and identify opportunities to make data public.
  - **Goal Met.** GOPI has helped agencies publish datasets and plans to continue assisting agencies through the rest of the year.
- 3. Departments engaged in permitting and compliance, including but not limited to Department of Labor Licensing and Regulation (DLLR), the Department of Health and Mental Hygiene (DHMH), and Maryland Department of the Environment (MDE) should make more information available as open data.
  - **Goal Met.** Several new datasets showing individual records were added, but additional datasets are needed.

2016 Goals & Recommendations (from 2015 Annual Report)

- 4. DoIT should develop and provide regular training sessions for agency staff on how to make data public.

  - **Goal Met.** The Geographic Information Office, with assistance from the Governor's Office of Performance Improvement, provided an in-person training in February, and has provided additional one-on-one trainings with Open Data Portal users throughout the year.

  - New training videos will help to bridge gap between Socrata training materials and one-on-one trainings

- 5. DoIT should inform research librarians in Maryland's public libraries to train them on finding and working with Maryland's Open Data websites.

  - **Goal Met.** The Geographic Information Office attended the 2016 Maryland Library Association & Delaware Library Association Joint Annual Conference in May and provided an overview of Maryland's Open Data and GIS resources.

- 6. The Governor's Office of Crime Control and Prevention (GOCCP) and DoIT should development a dashboard to help citizens analyze crime data by county.

  - **In Progress.** This dashboard has been completed. A release date for this dashboard is to be determined.

2016 Goals & Recommendations (from 2015 Annual Report)

- 7. DBM and DoIT should publish Maryland's Operating Budget as open data and develop an interactive dashboard to help citizens explore budget data.
  - **In Progress.** This dashboard has been completed. A release date for this dashboard is to be determined.

- 8. DoIT should incorporate a statewide dataset inventory into Maryland's Information Technology Management Plan.
  - **Not Met.** This year's IT Management plan did not incorporate new metadata elements to help track a statewide data inventory.

- 9. DoIT, with input from the council, should report on the costs and benefits of a potential statewide Public Information Act (PIA) tracking database.
  - **In Progress.** At the previous Council on Open Data meeting, the group agreed to focus on tracking PIA metadata, as opposed to entire responses. Today's meeting materials will compare several options for tracking PIA metadata.

2016 Goals & Recommendations (from 2015 Annual Report)

- 10. DoIT, with input from the council, should evaluate open source alternatives to Maryland's current open data portals.
  - A comprehensive overview of currently available options for Open Data products -- both open source and closed source -- can be found in Code for America's Open Data Playbook: http://archive.codeforamerica.org/practices/open/open-data/
  - **In Progress.** The Geographic Information Office (GIO) plans to pilot an internal instance of CKAN. CKAN's extensions, also all open source, could provide additional flexibility and services for Maryland's Open Data & GIS.

- 11. The Office of the Attorney General (OAG) and DoIT should leverage new provisions of the PIA to encourage agencies to identify additional datasets for publication as open data.
  - **In Progress.** DoIT plans to reach out to agencies' PIA coordinators to offer assistance publishing Open Data. PIA survey will help determine agencies' needs (see next slides).

- 12. DoIT should make full address points and LIDAR data available to the public as open data.
  - **Goal Met.** MD iMAP's LIDAR page is available at: http://imap.maryland.gov/Pages/lidar.aspx
  - Parcel Points dataset on MD iMAP

Council on Open Data Recommendations and Goals – 2017

Council on Open Data Recommendations and Goals – 2017

- Annual Report is due to the Governor and State Legislature on January 10 (source: http://msa.maryland.gov/msa/mdmanual/25ind/html/53opendata.html)

- There are approximately three and a half months remaining to accomplish the goals and recommendations set in the 2016 Annual Report.

- The Department of Information Technology recommends that the highest priority recommendations for 2017 are to address any and all remaining outstanding items from the 2016 Annual Report.
  - This will include continuing to pursue a statewide data inventory as part of the IT Management plan.
  - This will also include better integration between Open Data and frequently-requested public information

Council on Open Data Recommendations and Goals – 2017

- For Council consideration: what new goals and recommendations should the Council on Open Data include in the 2017 Annual Report?

- Additional new initiatives for Maryland's Open Data & GIS programs can build on top of this year's initiatives and accomplishments.
  - Example: Supplementary Open Data tools, analysis, and visualizations using free CKAN extensions.
  - Example: Integrating data resources between Managing for Results (MFR) and Governor's Office of Performance Improvement (GOPI) data
  - Example: Public training sessions on using http://data.maryland.gov, searching for data, and using graphing and mapping tools
  - Example: Better integration between data.imap.maryland.gov and data.maryland.gov resources

- Specific additional high-value datasets or visualizations to target?

- Create formal data and metadata standards?

Public Information Act (PIA) Consolidated Metadata Tracking

Public Information Act (PIA) Consolidated Metadata Tracking

- The Council agreed at the previous meeting to track statewide metadata for Public Information Act Requests. The group agreed that information about each request, such as a summary of the information requested, should be tracked across all state agencies as Open Data, but that tracking the full responses for all PIA requests as Open Data is not feasible at this time.

- The Department of Information Technology has been tasked with evaluating options for tracking consolidated PIA metadata.
  - **Option A: Use existing contracts and in-house developers.** Use tools on Maryland's Open Data Portal as a backend interface for PIA request metadata. DoIT has prepared a preview of what tracking PIA metadata on the Open Data Portal could look like.
  - **Option B: Explore products and outside services designed specifically for tracking public records requests.** Many companies offering products for public requests tracking specifically, e.g., GovQA and MCCi. DoIT welcomes suggestions for additional products and open source solutions for tracking PIA request metadata.

Public Information Act (PIA) Consolidated Metadata Tracking

- Whether to rely on existing State resources for tracking PIA requests' metadata in part depends on what needs state agencies have for tracking and submitting their PIA request metadata.

- At the previous meeting DoIT was tasked with evaluating agencies' needs vis-à-vis consolidated PIA request metadata tracking.

- DoIT has drafted a survey for distribution to state agencies' PIA contacts, with the goal of determining across all state government:
  - How each agency is currently tracking its PIA requests
  - What each agency requires in a centralized PIA metadata tracking system
  - DoIT will now preview the survey.
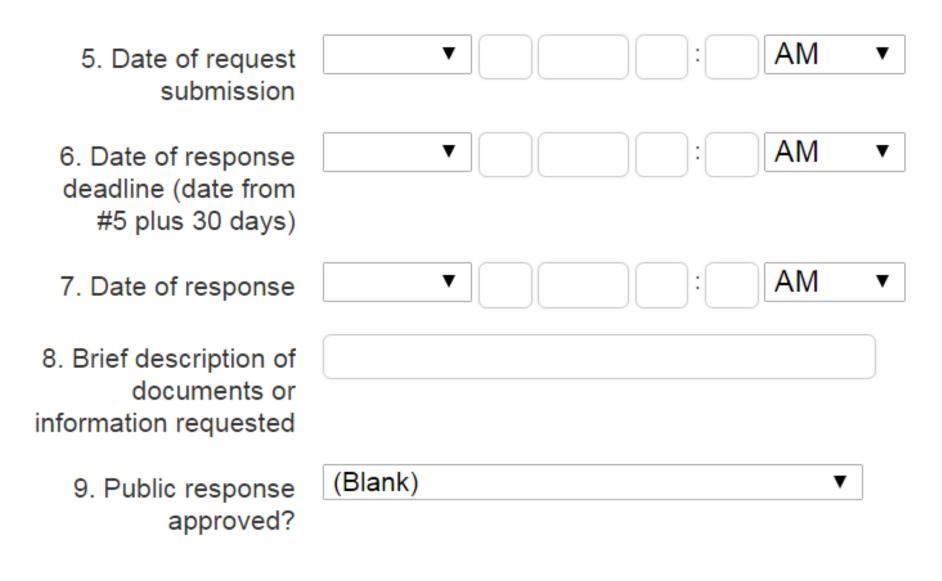
DRAFT Form for PIA Metadata Submission

Based on DRAFT Statewide PIA Metadata Tracking

This is a DRAFT proof-of-concept dataset to show what the Open Data Portal product can accomplish for tracking metadata related to PIA requests across all state agencies.

1. Full name of responding state agency or office

2. Acronym of responding state agency or office

3. Contact information for responding state party (address, city, state, ZIP, phone number, email)

4. Name of request submitter (PIA requests are considered public information)

5. Date of request submission

[▼] [ ] [ ] [ ] : [ ] [AM ▼]

6. Date of response deadline (date from #5 plus 30 days)

[▼] [ ] [ ] [ ] : [ ] [AM ▼]

7. Date of response

[▼] [ ] [ ] [ ] : [ ] [AM ▼]

8. Brief description of documents or information requested

[ ]

9. Public response approved?

[(Blank) ▼]

9. Public response approved? | (Blank) ▼ |

10. Fee charged for production of response? (Include dollar amount if applicable)

11. Additional comments (optional)

Submit

Customer Satisfaction Survey

Open Data Portal: Customer Satisfaction Survey

Help us serve you better by completing this survey about your experience using Maryland's Open Data Portal, data.maryland.gov.

1. What information were you looking for on Maryland's Open Data Portal, data.maryland.gov? *

Short answer text

2. Did you find the information you were looking for? *
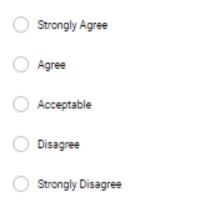
○ Yes

○ No

3. Maryland's Open Data Portal, data.maryland.gov, has useful datasets and *
content?

○ Strongly Agree

○ Agree

○ Acceptable

○ Disagree

○ Strongly Disagree

4. Maryland's Open Data Portal, data.maryland.gov, has easy to use tools? *

○ Strongly Agree

○ Agree

○ Acceptable

○ Disagree

○ Strongly Disagree

5. Which of these data.maryland.gov features have you used? *

☐ Browsing the data catalog and the site's content

☐ Data Lens

☐ Dataset export

☐ Filtering

☐ Visualization

☐ APIs (Application Programming Interface)

☐ Forms

☐ Embedding

☐ Calendars

☐ Other...

6. Do you have a data.maryland.gov account? *

◯ Yes

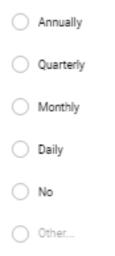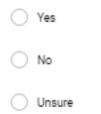◯ No - Wish to be contacted by DoIT for account creation

◯ No

◯ Unsure

7. Do you regularly upload data to data.maryland.gov? *

○ Annually

○ Quarterly

○ Monthly

○ Daily

○ No

○ Other...

8. Have you ever published a dataset, or created a chart, view, or map, on data.maryland.gov? *

○ Yes

○ No

○ Unsure

9. What additional content -- datasets, features, visualizations, etc. -- would you like to see on data.maryland.gov?

Long answer text

10. Please share any additional comments or suggestions you may have so we may continue to assess and improve data.maryland.gov.

Long answer text

If you would like someone to follow up with you concerning your feedback, please provide the following information.

First Name

Short answer text

Last Name

Short answer text

Business / Organization Name

Short answer text

Your Email

Short answer text

Your Phone Number

Short answer text

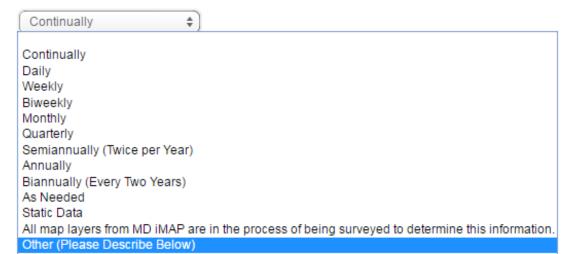# Dataset Freshness Report

Dataset Freshness Report

- At the previous meeting of the Council on Open Data, the Department of Information Technology announced the public launch of the Dataset Freshness Report for http://data.maryland.gov, Maryland's Open Data Portal.

  – This tool allows the public and state employees to easily see how often Maryland's Open Data resources are updated, and when the most recent data updates have occurred.

- Datasets attributed to agencies instead of individual data owners.

- For Council consideration: What are the best ways for the Council to use the information in the Dataset Freshness Report, to continually look at agencies' Open Data during each meeting?

  – The report effectively functions as a metadata catalog for http://data.maryland.gov, and lets users quickly preview the contents of many datasets at once.

  – Suggestions: Show newest datasets, find datasets with no data updates planned, consolidate duplicative datasets

Dataset Freshness Report

- For Council consideration: Should the Council recommend formal data and metadata standards for State users of the Open Data Portal, for the 2017 Annual Report?

- The measure of the report showing a dataset's "freshness", meaning whether its data has been updated recently enough, is the central part of the report.
  - This is necessarily an imperfect measure, since datasets' update schedules do not all into regular intervals.
  - DoIT has added additional options for dataset owners to indicate a dataset's update frequency. The option "Other (Please Describe Below) gives users the ability to type a description of the update frequency in a text field.

Continually ▲▼

Continually
Daily
Weekly
Biweekly
Monthly
Quarterly
Semiannually (Twice per Year)
Annually
Biannually (Every Two Years)
As Needed
Static Data
All map layers from MD iMAP are in the process of being surveyed to determine this information.
Other (Please Describe Below)

Breakdown of Open Data Portal datasets' update 'freshness' *(Yes / No / Better Metadata Needed)*

Updated Recently Enough? ▼	Total
Better Metadata Needed.Metadata on update frequency are missing. Dataset owner should provide this information to resolve this issue.	11
Better Metadata Needed.The data are updated as needed, which makes evaluation difficult. As an approximate measure, this dataset has not been updated in the past month, indicating possible stale data. Dataset owner should provide more detailed information for update frequency to resolve this issue.	18
No	182
Yes	132
Yes. The data are updated as needed, which makes evaluation difficult. As an approximate measure, this dataset is evaluated as updated recently enough because it has been updated in the past month.	2
(blank)	
Grand Total	345

Questions/Comments

- Priorities for next meeting?
  - Action Items?