



DEPARTMENT OF  
INFORMATION TECHNOLOGY



# Meeting #9

April 25, 2016

## **COUNCIL ON OPEN DATA**



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INFORMATION TECHNOLOGY

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## Welcome and Introductions

Kenny Miller,  
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Department of Information Technology



- **Welcome and Introductions** (Kenny Miller) (10 min)
- **Council on Open Data Recommendations and Goals – 2016** (from 2015 Annual Report) (15 min)
- **Select Projects** (60 min). Several state agencies will discuss their ongoing projects working with the Open Data Portal and DoIT to create interactive dashboards
  - **Managing for Results – Dashboards.** *ESRGC and DoIT are developing dashboards with DBM, showing all public Managing for Results data. DoIT will show several agencies' dashboards.*
  - **Department of Budget & Management – Budget Dashboards**
    - Capital Budget (live) - <http://geodata.md.gov/FY16CapitalBudget/>
    - Operating Budget – *ESRCG is developing an Operating Budget dashboard with DBM. A representative from DBM is scheduled to discuss.*
  - **Governor's Office of Crime Control & Prevention – Crime Dashboard.** *This dashboard is in development. A representative from GOCCP is scheduled to discuss crime metrics. DoIT will show the backing datasets on data.maryland.gov.*

- **Status of Open Data Portal** 10-15 min
  - Data.maryland.gov analytics and traffic
  - Highlights of data resources available
  - Continued integration with MD iMAP geographic data catalog
  - Data Freshness Report – Public Launch
- **Possibility of Centralizing Information Requests** (15 min)
  - Any opportunities to better centralize requests for information? -- not just PIA requests but other questions and requests for services as well
  - Public Information Act requests and tracking - Identifying the information frequently requested via PIA for possible inclusion in the Open Data Portal
- **Questions/Comments**
  - Future Possibilities: Merit of Each?
    - Subcommittees with assignments; Guided discussions; Breakout groups; Volunteers for presenting
- **Adjourn**

**Council on Open Data Recommendations and Goals—2016**

- The Council on Open Data’s Annual Report, issued on January 10<sup>th</sup> 2016, included a list of recommendations and goals for the Council for CY2016. This list was developed with Council input.
- Previous meeting of the Council on Open Data: November 10<sup>th</sup> 2015. Approximately half of the meeting was spent discussing these recommendations.
- The first part of today’s meeting will be spent providing updates on each of these ten recommendations and goals.
  - 5 have substantial updates
  - 2 we want to further dive into today
  - Remaining 3 will be more of a focus at the next meeting

**Council on Open Data Recommendations and Goals—2016**

- 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.
- GOPI should monitor agency and gubernatorial initiatives and identify opportunities to make data public.

- **Managing for Results – Dashboards.** *ESRGC and DoIT are developing dashboards with DBM, showing all public Managing for Results data. DoIT will show several agencies' dashboards.*
- DBM's statement on the MFR dashboards (full statement will be read aloud):
- **“The Open Data Portal is a natural transition for the MFR data and a powerful tool for making the data more accessible to the public...”**
- “Right now, we only report this data in PDF form on the DBM website...”
- “...may result in less inquires to agencies for data or PIA requests.”

**Council on Open Data Recommendations and Goals—2016**

- DoIT should develop and provide regular training sessions for agency staff on how to make data public.
- 
- DoIT held a training session for state employees on February 16<sup>th</sup>, covering:
    - How to create a new dataset on the Open Data Portal
    - How to update an existing dataset
    - How to populate data manually, through Excel, and using automated tools.
  - A supplementary tutorials document provided step by step instructions for each of these tasks.
  - The tutorials document was provided as an attachment for today's meeting, for anyone else who is interested in uploading data to the Portal. *If you need an account – please email [josh.exler@maryland.gov](mailto:josh.exler@maryland.gov) and do not use the “Sign Up” link (intended for public users) on the Portal home page.*

**Council on Open Data Recommendations and Goals—2016**

- DBM and DoIT should publish Maryland's Operating Budget as open data and develop an interactive dashboard to help citizens explore budget data.

- **Department of Budget & Management – Budget Dashboards**

- Capital Budget (live) - <http://geodata.md.gov/FY16CapitalBudget/> - This public dashboard shows all FY16 appropriations for Capital Budget projects.
- Operating Budget – *ESRCG is developing an Operating Budget dashboard with DBM. Christian Lund, who until recently worked for DBM, will discuss some of the uses for the dashboard.*



**Council on Open Data Recommendations and Goals—2016**

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

- **Governor's Office of Crime Control & Prevention – Crime Dashboard.**
- *This dashboard is in development. A representative from GOCCP is scheduled to discuss crime metrics. The front-end is being reviewed internally by GOCCP. GOCCP and DoIT will show the backing datasets on [data.maryland.gov](http://data.maryland.gov).*

### Council on Open Data Recommendations and Goals—2016

- 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.
- DoIT, with input from the council, should report on the costs and benefits of a potential statewide Public Information Act (PIA) tracking database.

### Possibility of Centralizing Information Requests (15 min)

- Any opportunities to better centralize requests for information? -- not just PIA requests but other questions and requests for services as well
  - **Discussion:** thoughts on how we might be able to aggregate citizen access points for state services? How do agencies' current PIA procedures mesh with procedures for handling information requests?
- Public Information Act requests and tracking - Identifying the **information frequently requested via PIA for possible inclusion in the Open Data Portal**. Agencies have already identified this information as per the new requirements of the PIA. Adding them to the Portal could prevent some future PIA requests by proactively providing data.

**Council on Open Data Recommendations and Goals—2016**

- DoIT should incorporate a statewide dataset inventory into Maryland's Information Technology Management Plan.
- DoIT, with input from the council, should evaluate open source alternatives to Maryland's current open data portals.
- DoIT should make full address points and LIDAR imagery available to the public on the open data portals.

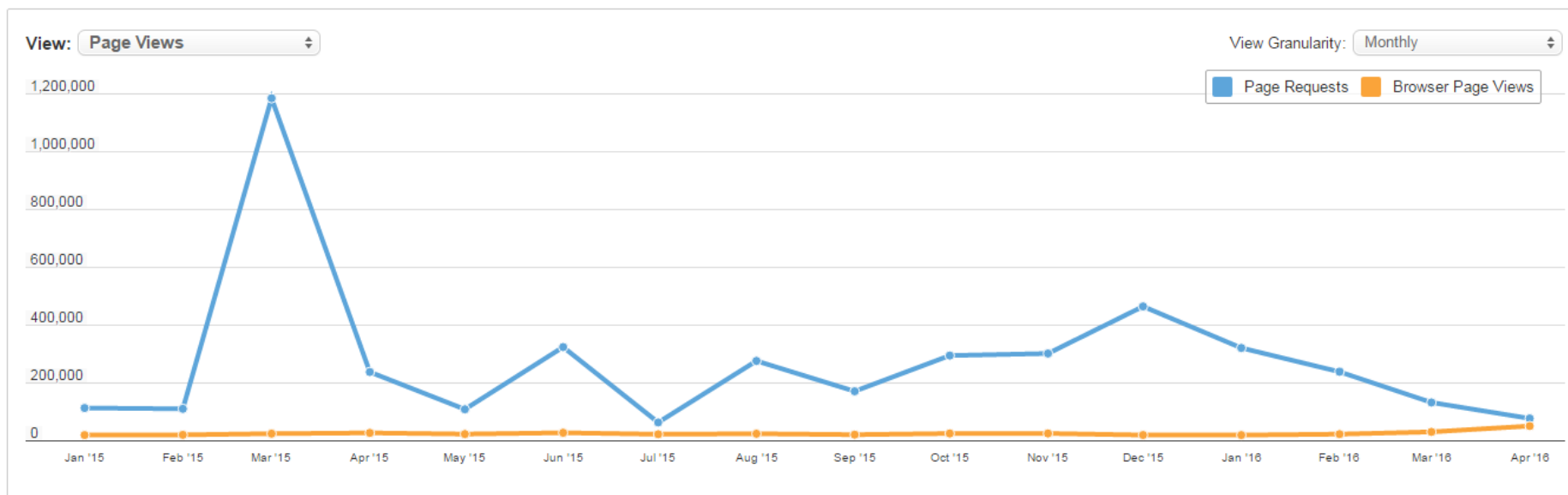
- These three CY2016 recommendations and goals have not seen substantial headway in the first few months of the year.
- DoIT plans to take first steps towards with each of these three projects, before the next Council meeting.
- Both proprietary and Open Source options, as well as custom products, are being considered for the contract for Maryland's Open GIS Portal.

## **Status of Open Data Portal 10-15 min**

- Data.maryland.gov analytics and traffic
- Highlights of data resources available
- Continued integration with MD iMAP geographic data catalog
- Data Freshness Report – Public Launch
  - Sitewide Statistics

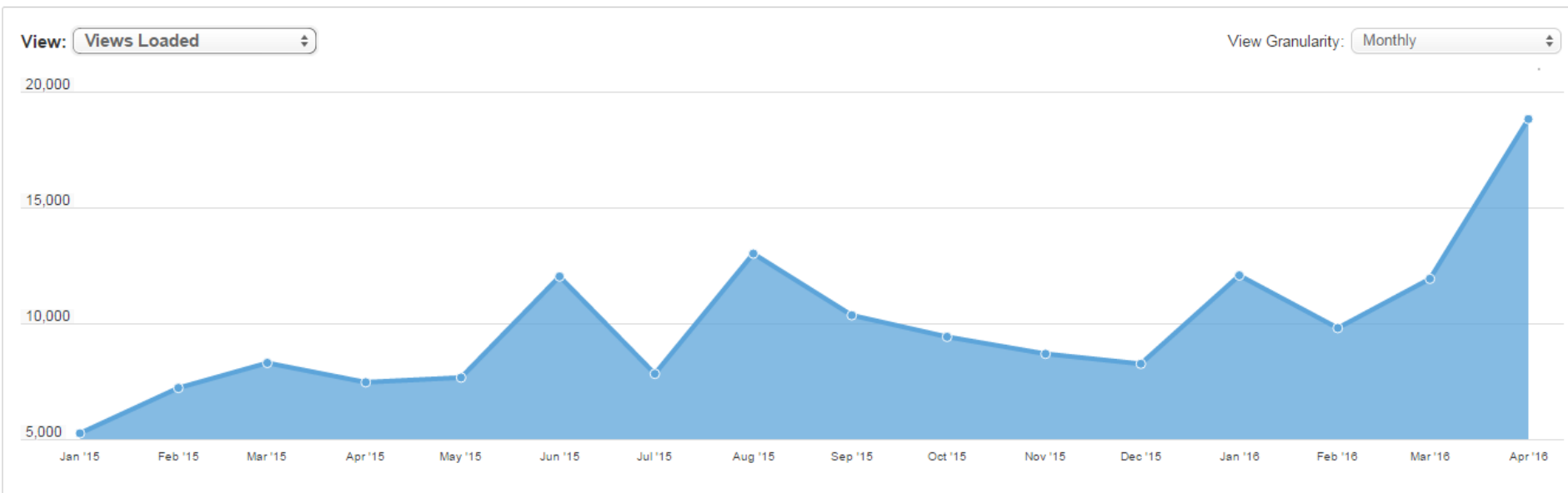
## Data.maryland.gov Analytics and Traffic

- **Socrata offers the following metrics of site usage for data.maryland.gov:**
  - **Page views** (blue) vs. **Browser Page Views** (orange). The latter measure hit a relative maximum this month, with 49,221 browser page views as of April 22<sup>nd</sup>. This key measure, **browser page views**, is steadily increasing each month. However page views were higher in CY2013.
  - The decrease in **total page requests** is likely driven by an overall decrease in total API calls. This doesn't necessarily mean fewer developers accessing the data, and could partially reflect dataset consolidation for easier developer access to the data.
  - **Key conclusion:** The good news is that we haven't seen this much traffic since CY2013. The bad news is that we were getting several times as much traffic throughout that year.



## Data.maryland.gov Analytics and Traffic

- **Socrata offers the following metrics of site usage for data.maryland.gov:**
  - **Views loaded (blue).** Similar to the previous slide, the total number of loaded views (views are all datasets, graphs, maps, etc.), reached 18,820 for April to-date, as of April 22<sup>nd</sup>. While this represents more monthly page views than any single month since July 2014, monthly page views throughout CY2013 and the first half of CY2014 regularly beat the present month's number.



## Data.maryland.gov Analytics and Traffic

### Additional statistics

- **194 users (no limit)**
- **1,987 public views in catalog (no limit)**
  - **1,242 of those views are from the State Portal, not from federated County Portals**
  - **309 public datasets (500 limit) – This is the key limitation in our contract for the Open Data Portal**
  - **439 external datasets linking to MD iMAP layers**
  - **309 + 439 = Links to 748 State-owned datasets (geographic and non-geographic) in the data catalog at data.maryland.gov**

## Dataset Freshness Report

- Tool is going live to the public **today**
- Solution to allow dataset owners to see whether their datasets need updating or are up-to-date
- Link:  
<https://data.maryland.gov/Administrative/Dataset-Freshness-Report-for-data-maryland-gov-As-/sam4-nffa>
- Please check out the tool and – if needed – update your data!
- Please let other data.maryland.gov users in your agencies know about this tool
- This public version shows the agency responsible for each dataset – not the user responsible.
- **Discussion:** How could DoIT improve this tool?
- **Discussion:** In your opinion what are the best ways for the Council to make use of this new tool?
- **Discussion:** How to best provide this information at the user-level, not just at the agency-level, for state employees who are owners of data.maryland.gov datasets?
  - Proposed solution: Similar to the public and private-facing versions of the Portal's Real Property Assessments dataset, DoIT can create a private version for state employees which includes dataset owner names.



## Example of automatic evaluation of whether a dataset is up to date

Dataset Name	Summer Food Service Program Participation
Link	<a href="https://data.maryland.gov/d/adfi-nfw7">https://data.maryland.gov/d/adfi-nfw7</a>
Updated Recently Enough?	Yes
Owner	data.maryland.gov Administration
User who Made Last Update	<a href="https://data.maryland.gov/profile/cs6p-bz62">https://data.maryland.gov/profile/cs6p-bz62</a>
Update Frequency	Annually
Date of Most Recent Data Change	Wed Sep 02 2015 11:08:33 GMT-0400 (EDT) 61 days ago
Number of Rows	7



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# Highlights of New Data Resources Available

## Continued Open Data Portal integration with MD iMAP geographic data catalog

- Links to all MD iMAP layers to the data catalog on data.maryland.gov
- Each individual layer is shown (as opposed to each map service)
- Data.maryland.gov now includes links to *all* of Maryland's open data – not just non-geographic data. Find all geographic and non-geographic data in one place!
- The data catalog links to MD iMAP are Socrata 'External Datasets.' Metadata and links are included on data.maryland.gov, but the data itself resides only on MD iMAP.
- Link to search results for all External Datasets in the data.maryland.gov data catalog: <https://data.maryland.gov/browse?limitTo=href&utf8=%E2%9C%93>
- Example External Dataset (data.maryland.gov link to an MD iMAP layer): <https://data.maryland.gov/Boundaries/MD-iMAP-County-Boundaries/mjfn-cgnc>

Department of Information Technology

# OPEN DATA PORTAL

Search for Datasets, Maps, and Graphs Q

Local Data

Clear All Options

**View Types**

- Data Lens pages
- Datasets
- Charts
- Maps
- Calendars
- Filtered Views
- External Datasets
- Files and Documents
- Forms

**Categories**

(All)

- Administrative
- Agriculture
- Biota
- Boundaries
- Budget
- Public Safety

View All

**Topics**

maryland

Results for "state police", matching category of List Grid Most Accessed This month

Name	Popularity	Type
<b>2012 Vehicle Collisions Investigated by MSP Rockville Barrack</b> Collisions investigated by the Maryland <b>State Police</b> in 2012 (does not include collisions investigated by local jurisdictions). Collisions investigated by the Maryland <b>State Police</b> in 2012 (does not include collisions investigated by local jurisdictions). No matching rows found	212 views	
<b>MD iMAP: State Police Barracks</b> This is a MD iMAP hosted service. Find more information at <a href="http://imap.maryland.gov">http://imap.maryland.gov</a> . This dataset contains Maryland <b>Police Facilities (State, County, Municipal, Federal, University and Other State Agencies)</b> . Last Updated: 08/13/2014 Map Service Link: <code>Police/MapServer?rel="nofollow external"&gt;http://geodata.md.gov/imap/rest/services/PublicSafety/MD_Police/MapServer</code> ADDITIONAL LICENSE TERMS: The Spatial Data and the information therein (collectively the Data) is provided "as is" without warranty of any kind either expressed or implied.	70 views	
<b>Crime-API</b> Provided by data.montgomerycountymd.gov **See the Attachment section in the About menu for a quick start guide** Updated daily postings on Montgomery County's open data website, dataMontgomery, provide the public with direct access to crime statistic databases - including raw data, mapping and search functions - of reported County crime. The data presented is derived from reported crimes classified according to Maryland criminal code and documented by approved <b>police</b> incident reports. The data is compiled by "EJustice", a respected law enforcement records-management system used by the Montgomery County <b>Police Department</b> and many other law enforcement agencies. To protect individual privacy, no	14 views	

Search results for "State Police" on Maryland's Open Data Portal, data.maryland.gov. The result circled in red links to MD iMAP, Maryland's geographic information portal. The three search results shown are from data.maryland.gov, MD iMAP, and dataMontgomery, respectively.

# Highlights of New Data Resources Available

- Continued **integration with MD iMAP** geographic information catalog (see previous slides)
- (New) **State of Maryland Payments Data: FY2008 to FY2015**. Previously these data have been available in separate datasets, one for each fiscal years. This is the first Portal dataset to combine all years' data.  
<https://data.maryland.gov/Budget/State-of-Maryland-Payments-Data-FY2008-to-FY2015/gja3-vy5r>
- (New) **Minority Business Enterprise: Statewide Directory**. Includes not just MBE certified businesses, but also DBE, SBE, and ACDBE. This is the first Portal dataset to combine listings for all four certifications.  
<https://data.maryland.gov/Business-and-Economy/Minority-Business-Enterprise-Statewide-Directory/viap-eh6m>
- (New) The backing datasets powering the in-progress GOCCP Crime Dashboard are available. *Please note that these datasets are subject to change at the discretion of GOCCP.*
  - Maryland statewide totals:  
<https://data.maryland.gov/Public-Safety/Violent-Crime-Property-Crime-Statewide-Totals-1975/hyg2-hy98>
  - Statewide totals for all states:  
<https://data.maryland.gov/Public-Safety/Violent-Crime-Property-Crime-Statewide-Totals-2006/hj4v-yg9g>
  - By county: <https://data.maryland.gov/Public-Safety/Violent-Crime-Property-Crime-by-County-1975-to-Pre/jwfa-fdxx>
  - By municipality:  
<https://data.maryland.gov/Public-Safety/Violent-Crime-Property-Crime-by-Municipality-2000-/2p5g-xrcb>

## Follow Up Item: Center for Public Integrity Report

- Maryland gets a “D” overall (that is above average)  
<http://www.publicintegrity.org/2015/11/03/18822/how-does-your-state-rank-integrity>
- At the previous meeting, we discussed whether and how the Council wished to respond.
- GIO was on a call with the Center for Public Integrity on Feb. 17<sup>th</sup> and multiple other state governments, set up by Socrata.
- All states on the call had overlapping concerns with the accuracy, fairness, and methodology of the Center for Public Integrity’s report. The Center agreed with many of the recommendations on the call. Some of the main results of that call were:
  - The research for next year’s report will attempt to use more government resources – not just journalists and non-profits almost exclusively
  - There will be a draft report with a commenting period next year, for states to be able to link to any resources the report might have missed, or to take umbrage with any details

- **Questions/Comments**

- Future Possibilities: Merit of Each?
  - Subcommittees with assignments
  - Guided discussions
  - Breakout groups
  - Volunteers for presenting
- Meeting Dates: Regular Schedule, Booked through the end of the Year?
  - First Monday of every third month? Other possibilities?