



DEPARTMENT OF
INFORMATION TECHNOLOGY

Maryland Council on Open Data Briefing for Joint Committee on Legislative Information Technology and Open Government

Barney.Krucoff@maryland.gov

Geographic Information Officer



History of legislation and executive orders

- 2014 legislation ([SB644 & HB1260](#)) resulted in State Government [§10–1501 to §10–1504](#)
- Created Council on Open Data
- Superseded/combined two existing Executive Orders:
 - Executive Order 01.01.2012.04, One Maryland – One Map: Maryland Integrated Map.
 - Executive Order 01.01.2012.18, Maryland’s Open Data Initiative.
- Both the Council and DoIT have recommended that the EOs be rescinded.

Most Access Datasets 2015 YTD

<http://data.maryland.gov>

1. North East Barracks Arrest Log
2. FY14 Payments Data
3. Maryland Port Administration
General Cargo
4. Reported Sewer Overflows
5. Choose Maryland: Compare
Counties - Taxes
6. MTA Average Weekday
Ridership - by Month
7. ICC Vehicle Volume Data
8. Employment Figures
9. Minority Business Enterprise
10. School Assessment Outcomes
and Higher Education Degrees

<http://imap.data.maryland.gov>

1. Boundaries - State Mask
2. Boundaries - Political Boundaries
3. PlanningCadastre - Property
Data
4. Transportation - Color Basemap
5. BusinessEconomy - Incentive
Zones
6. GeocodeServices - Composite
Locator
7. Imagery - Six Inch Imagery
8. Hydrology - Waterbodies
9. UtilityTelecom - Power Outages
10. Biota - Living Resources

Defined “Data”

(1) "Data" means final versions of statistical or factual information that:

- (i) are in **alphanumeric or geospatial** form reflected in a list, table, graph, chart, map, or other **nonnarrative** format that can be digitally transmitted or processed;
- (ii) are **regularly created or maintained** by or on behalf of a governmental entity; and
- (iii) record a measurement, transaction or determination or provide information on government services, initiatives, and resources related to the mission of the covered governmental entity.

(2) "Data" **does not include draft versions** of statistical or factual information that are used for internal analysis by a governmental entity.

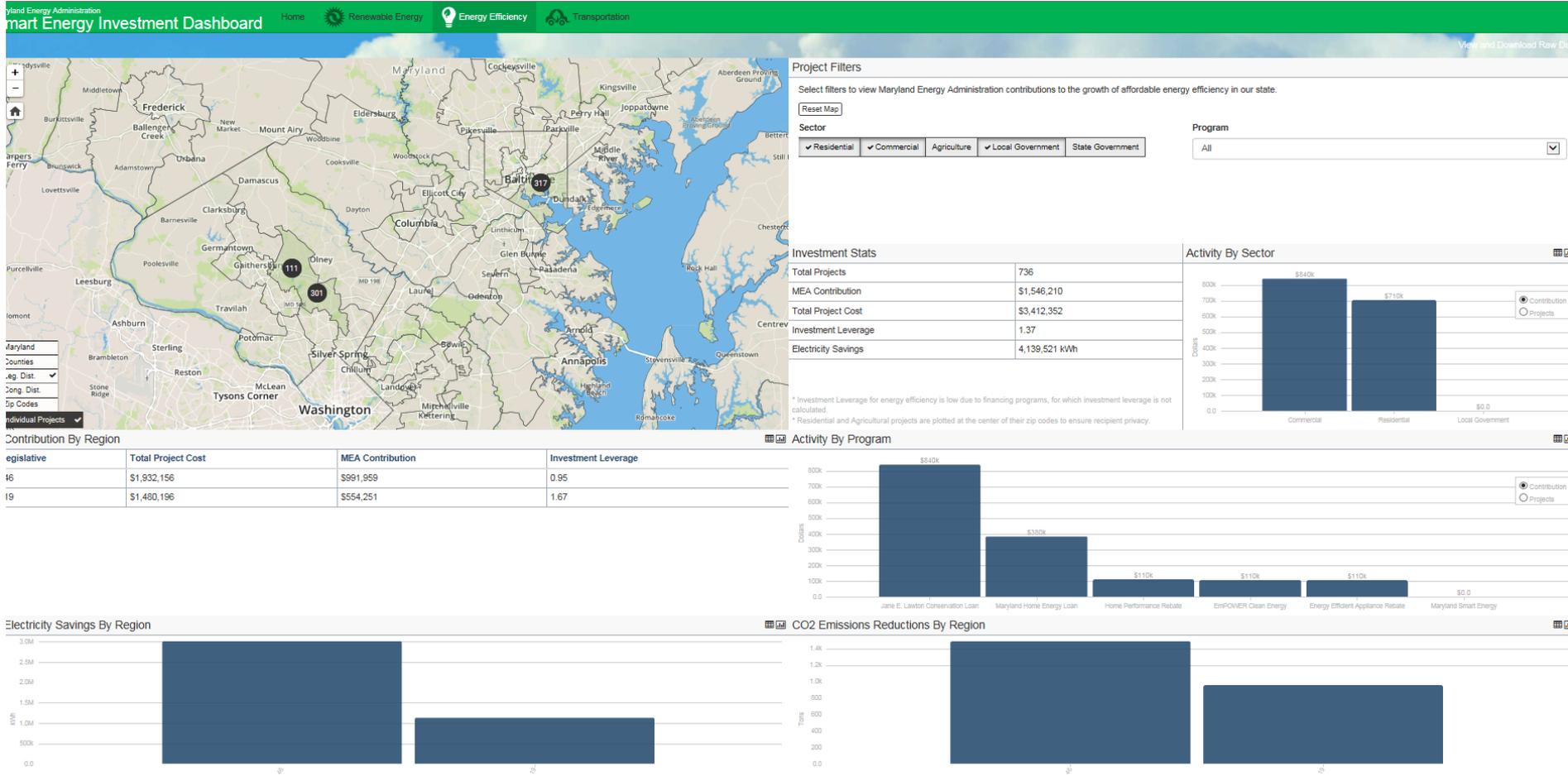
* The policy doesn't apply to all data, only that subset that is "Open Data."

Defined “Open Data”

“Open data” is all “data” except where if made public the “data” would:

- violate another law or regulation that prohibits the data from being made public;
- endanger the public health, safety, or welfare;
- hinder the operation of government, including criminal and civil investigations;
- impose an undue financial, operational, or administrative burden on a State entity; or
- disclose proprietary or confidential information.

Open Data Portals Facilitate Development of Web Dashboards



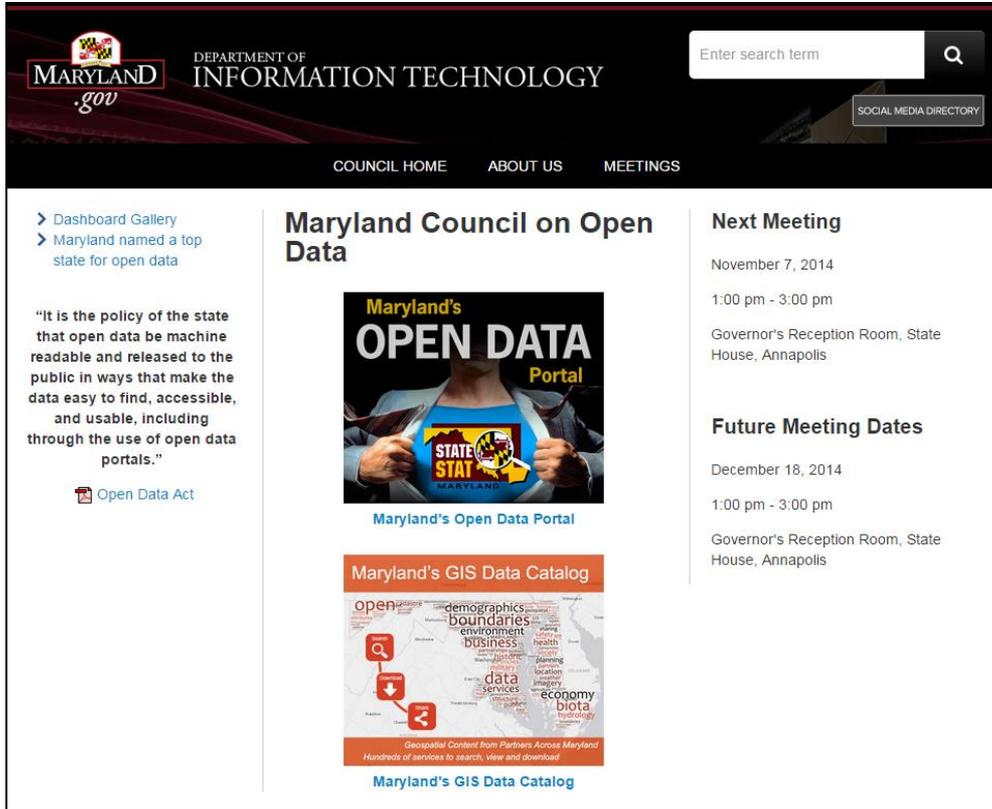
Maryland Council on Open Data membership

- Chair: Secretary of Information Technology
- Vice Chair: Director of State Stat
- 2 legislators
 - Delegate Bonnie Cullison
 - Senator Bill Ferguson
- 23 representatives of state agencies, secretary or designee
- 5 elected officials or employees from local entities who have knowledge of and interest in open data
- 5 from the private, private utility, academic, or nonprofit sectors who have knowledge of and interest in open data

Duties of the Council

1. ...when appropriate recommend legislation and regulations;
2. coordinate the appropriate staff at each State entity for the development, maintenance, and use of open data ...;
3. identify the collective cost of operating and investing in open data and funding mechanisms to support open data;... and advise ... on budget matters related to open data;
4. encourage local entities and the legislative and judicial branches to participate in open data;
5. plan for providing all open data to the public at no cost;
6. advocate for sound records management...; and
7. recommend standards to ensure purchase of open capable systems.

Council Website



The screenshot shows the website header with the Maryland Department of Information Technology logo and a search bar. The main navigation includes 'COUNCIL HOME', 'ABOUT US', and 'MEETINGS'. The content area features a 'Dashboard Gallery' with a link to 'Maryland named a top state for open data'. A quote states: "It is the policy of the state that open data be machine readable and released to the public in ways that make the data easy to find, accessible, and usable, including through the use of open data portals." Below this is a link to the 'Open Data Act'. The main section is titled 'Maryland Council on Open Data' and includes a graphic for 'Maryland's OPEN DATA Portal' showing a person revealing a 'STATE STAT MARYLAND' logo. Below that is a link to 'Maryland's Open Data Portal'. Another section titled 'Maryland's GIS Data Catalog' features a map with various data categories like demographics, environment, and economy, and a link to 'Maryland's GIS Data Catalog'. On the right side, there are sections for 'Next Meeting' (November 7, 2014, 1:00 pm - 3:00 pm) and 'Future Meeting Dates' (December 18, 2014, 1:00 pm - 3:00 pm).

<http://doit.maryland.gov/opendatacouncil>

Meeting Documents

Type	Doc Title	File Size
MEETING DATE : 12/18/2014 (5)		
	Executive Briefing Memo	104 KB
	Agenda	39 KB
	Presentation	1024 KB
	Sign-In Sheet	673 KB
	Minutes	88 KB
MEETING DATE : 11/7/2014 (4)		
MEETING DATE : 10/3/2014 (5)		
MEETING DATE : 8/25/2014 (5)		



Recent activity

SB094 Amends State Government Section 10-901 through 10-905 Automated Mapping

1992 statute with the goal of sustainably funding the first generation of digital maps.

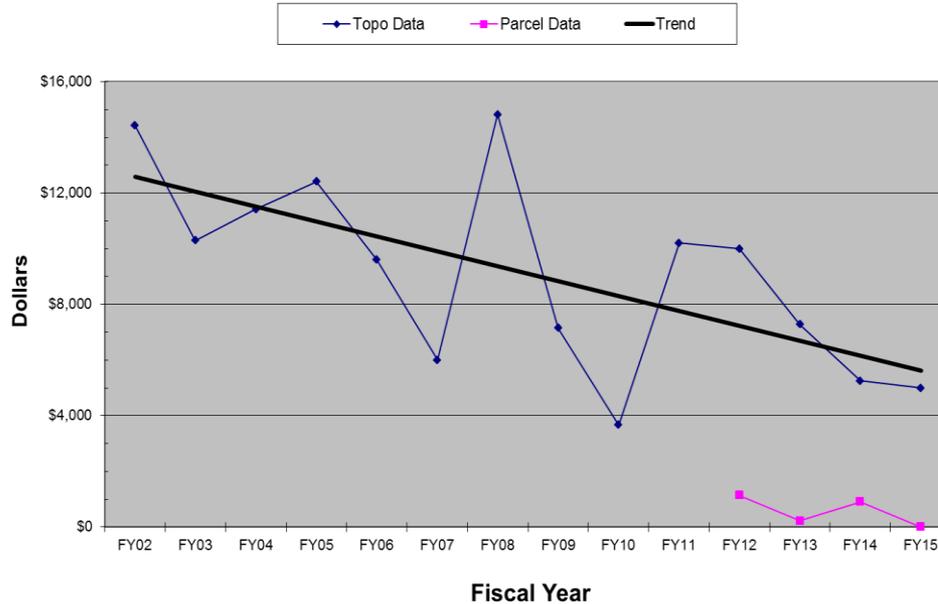
- ~~• “Governmental units may charge ... “a reasonable share of the overhead costs of the system.”~~
- ~~• “Only a person who has entered into a contract with a governmental unit may have on-line access to the geographic data in a system under the terms of the contract.”~~

Washington County

Maryland



GIS Data Sales



Department of Information Technology GIS Office

[GIS Home](#)[Maps](#)[Get Data](#)[Contact Us](#)[About GIS](#)

Available Data

****NEW!****

EFFECTIVE JULY 1, 2015 THE GIS OFFICE HAS ELIMINATED ALL FEES FOR ACQUIRING LICENSED GIS DATA. A SIGNED LICENSE AGREEMENT IS STILL REQUIRED.

- [Browse Available Data](#)
- [Order Form](#)
- [License Agreement](#)
- [Tile Reference Maps](#)
 - [2011 Photo Index](#)
 - [2012 LiDAR Index](#)
 - [Topo/Photo Index 2005](#)
 - [Topo/Photo Index 2000](#)



Prince George's County Planning GIS Open Data Initiative

MNCPPC PG enterprise wide GIS - 200 layers

Since 1992 data available only through sales or data license agreement

- Approx. 200 lease agreements/year since 2008
- Approx. \$26,700 sales / year since 2010

July 1, 2015 implemented GIS Open Data Program

<http://www.pgplanning.org>



Open Data Portal

Over 200 datasets available at “no cost”

The screenshot displays the GIS Open Data Portal interface. The header includes the logo and the text "GIS Open Data The Prince George's County Planning Department". A navigation bar contains "Home", "Prince George's Planning Department", "Prince George's Planning Board", and a search bar. The main content area features a "Welcome to GIS Open Data Portal" message and a list of available datasets. A detailed view of the "ESRI file Geodatabase (.gdb)" category is shown, listing various files with their sizes and last modified dates.

GIS Open Data
The Prince George's County Planning Department

Home Prince George's Planning Department Prince George's Planning Board Search

Welcome to GIS Open Data Portal

The Prince George's County Planning Department uses and maintains a comprehensive enterprise GIS. Since its inception the Planning Department has sold data, custom maps, and products in order to recover costs of system development and maintenance. Beginning in 2014, the Planning Department will implement its GIS open data initiative for the distribution of digital data to anyone in the public and private sectors.

The data, which is available at **no cost**, includes planimetric, property, zoning, terrain, administrative, census, environmental, historic, and infrastructure datasets. It includes those datasets developed and maintained by The Maryland-National Capital Park and Planning Commission, and those acquired through partnership with external organizations. Over 200 different datasets are available for use and distribution. A comprehensive inventory of datasets can be found here: http://www.pgplanning.org/Resources/Tools_On-line/Mapping_Tools/GIS_Data_Inventory.htm

- CADD file export (.dxf) - for planimetric and topographic datasets only
- ESRI file Geodatabase (.gdb)
- Orthoimagery (.sid format)
- ESRI Shapefile (.shp)

* Click on any link to open up the directory and download. Zip file.

Dataset Name	File Size	Last Modified
IReadMe.html	1 KB	6/1/2015 8:26:45 AM
IReadMe.txt	1 KB	6/1/2015 8:25:41 AM
Advance_Land_Py.zip	27 KB	5/27/2015 10:54:45 AM
Aerial_Index_1965_Pt.zip	34 KB	5/27/2015 10:54:45 AM
Aerial_Index_1968_Pt.zip	40 KB	5/27/2015 10:54:45 AM
Aerial_Index_1972_Pt.zip	39 KB	5/27/2015 10:54:45 AM
Aerial_Index_1998_12FT_Py.zip	30 KB	5/27/2015 10:54:45 AM
Aerial_Index_1998_1FT_Py.zip	80 KB	5/27/2015 10:54:45 AM
Aerial_Index_1998_3FT_Py.zip	36 KB	5/27/2015 10:54:45 AM
Aerial_Index_2014_Pt.zip	99 KB	5/27/2015 10:54:45 AM
Airport_Pt.zip	25 KB	5/27/2015 10:54:45 AM
Alternative_Compliance_Py.zip	152 KB	5/27/2015 10:54:45 AM
Alternative_Develop_Tech_Py.zip	29 KB	5/27/2015 10:54:45 AM
Archeological_Survey_Bnd_Py.zip	156 KB	5/27/2015 10:54:45 AM
Athletic_Facility_Pt.zip	62 KB	5/27/2015 10:54:45 AM
Auto_Dealership_Pt.zip	41 KB	5/27/2015 10:54:45 AM
Auto_Rental_Pt.zip	30 KB	5/27/2015 10:54:45 AM
Aviation_Policy_Area_Ln.zip	49 KB	5/27/2015 10:54:45 AM
Aviation_Policy_Area_Py.zip	52 KB	5/27/2015 10:54:45 AM
Bank_Pt.zip	40 KB	5/27/2015 10:54:45 AM
Boys_Girls_Club_Py.zip	240 KB	5/27/2015 10:54:45 AM

The Maryland-National Capital Park and Planning Commission
Prince George's County Planning Department
Information Management Division
14741 Governor Oden Bowie Drive
Upper Marlboro MD 20772

For more information, call 301.952.3918

6,452 file downloads: 7/1 - - 9/1
2,411 files w/in past 30 days

<http://gisdata.pgplanning.org/opendata/>



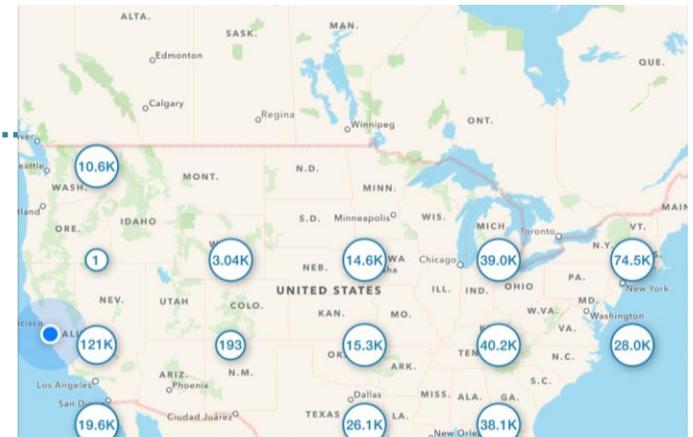


What is private and nonprofit sectors doing with the data?

National Business headquartered in Baltimore
Specializing in restaurant inspection data

615,000+ Establishments
4 Million+ Inspection Reports
12 Million+ Violations
1285 Jurisdictions

Data Access in 29 States
Encompassing 161M people in
jurisdictions where we have
data.



Health Department Inspection Scores

Establishment Name

9 Establishments

Score	Establishment Name	Last Inspection
63%	Acme Bar and Grill	Last Inspection: Jul 14, 2015
47%	Chick & Ruth's Dely	Last Inspection: Apr 10, 2015
99%	Jimmy John's Gourmet Sandwich...	Last Inspection: Jan 28, 2015
99%	Osteria 177	Last Inspection: Apr 30, 2015
99%	Fox's Den	Last Inspection: Jul 17, 2015
99%	Tutti Frutti	Last Inspection: Jul 7, 2015
99%	Georgian House B & B	Last Inspection: Feb 3, 2015
99%	Cafe Normandie	Last Inspection: Jul 13, 2015
99%	Red Red Wine Bar, LLC	Last Inspection: Apr 21, 2015

Map showing Main St, Conduit St, Gorman St.

Establishment: **Chick & Ruth's Dely**
165 Main Street, Annapolis, MD 21401
Jurisdiction: Anne Arundel County, MD
This establishment ranks 47% in this jurisdiction.

Apr 10, 2015: IM2
1 Violations: 1 Critical

Feb 3, 2015: R1
No Violations Reported

Dec 15, 2014: IM1
1 Violations: 1 Critical

Aug 28, 2014: R
No Violations Reported

Aug 22, 2014: IC1
No Violations Reported

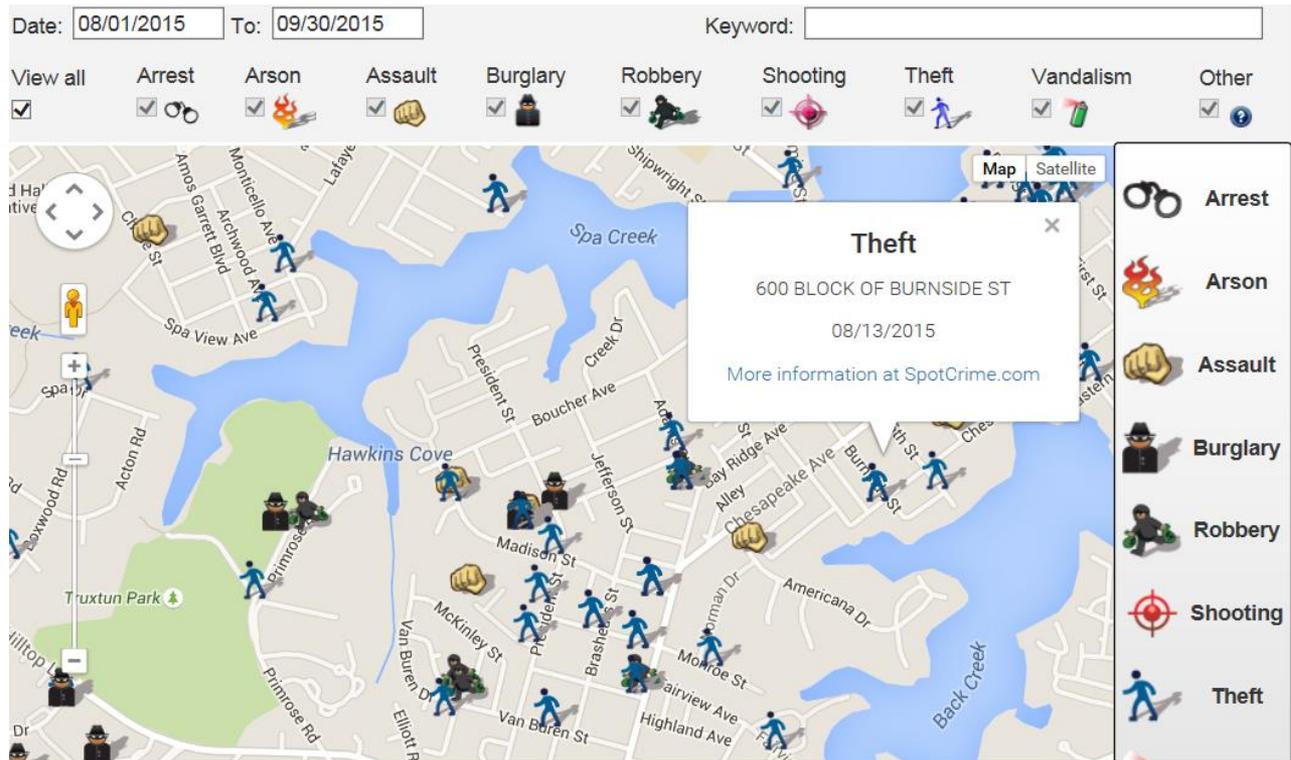
Inspection Date: A
Inspection Type: IM
Result: Re-Inspection

Violations
Violation: Food mu
Violation Number:
Critical

SpotCrime

Open, Equal, and Fair Access to Crime Data

- A Baltimore-based company
- 8 years
- Largest crime alerting system in the US
- 140 million emails annually
- Sustainable
- Profitable



OUR WORK

Chesapeake Commons is building the data pipeline between restoration professionals and policy makers. We use open source tools and a leading development approach that helps turn application concepts into tightly knit, interoperable systems that improve water quality, here are some of our latest projects.

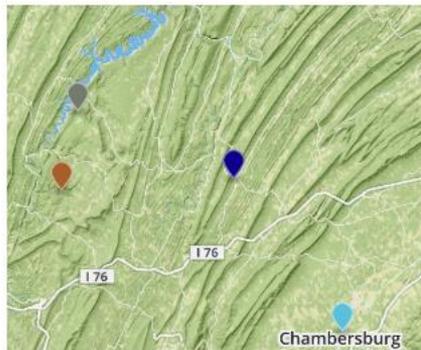
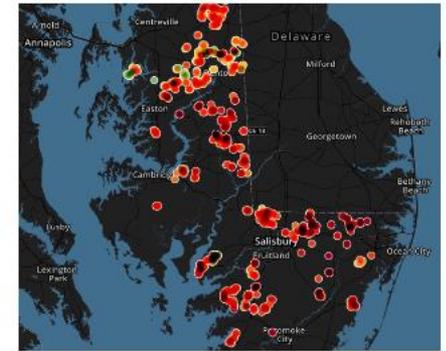
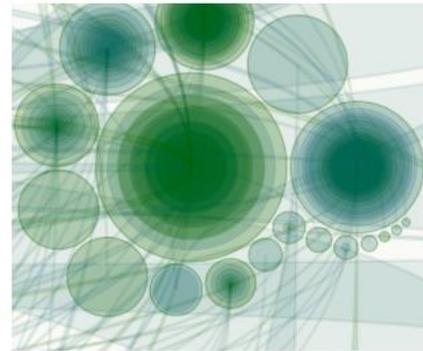
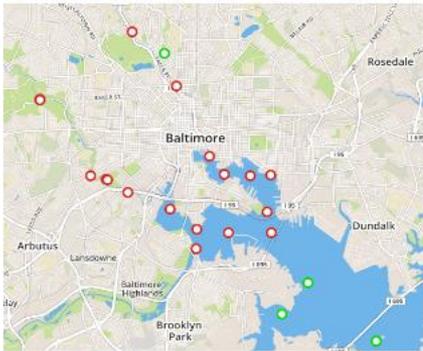
All

Volunteer Monitoring

Algorithm Development

Data Management

Data Visualization



Recommendations Current initiatives

- Finding, documenting and adding more data to the portals
 - 2015 PIA act will be a big help
- The Governor should rescind 01.01.2012.04 and 01.01.2012.18
- Conduct a data inventory annually starting in calendar year 2015.
- The DoIT and Secretary of State should coordinate so that meetings from Maryland Register also appear on Maryland.gov in calendar form.
- The DoIT should consolidate <http://data.maryland.gov> & <http://imap.maryland.gov> so public users can experience them via a single interface.

Nexus between updated Public Information Act and Open Data

- Chapter 266: Requires all agencies (state and local) to identify, on website, who the PIA contact is and provide their contact information. Agencies must also send contact information to Office of Attorney General where it will be compiled and published on website.
 - Chapter 350: Each custodian must identify types of records that will be available to the public and must maintain a list.
-
- What if there was a statewide (not locals) database to track PIA requests, and that database was open data?
 - Metadata only

Chairs and Staff to Council on Open Data

David Garcia, Chair

Secretary

Department of Information
Technology

David.Garcia@maryland.gov

Vacant, Vice Chair

Director of State Stat

Office of Governor

Lawrence Hogan

Barney Krucoff (staff)

Geographic Information Officer

Department of Information
Technology

Barney.Krucoff@maryland.gov



DEPARTMENT OF
INFORMATION TECHNOLOGY



QUESTIONS?