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AMERICA
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Open Data Policy Informational Item

City Council
Rules & Economic Development
Committee
July 10, 2013



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Open Government Data for San Diego

Our Code for America group, and other groups that we work with, would like to see the City of San Diego make a commitment to **Open Government Data**. We would like to work together towards the adoption of a city policy that provides a framework for delivering municipal government data in an accessible and open way that can be used by civic, social, community and business groups as well as by other city departments.



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What is Open Government Data?

Data produced or commissioned by government or government controlled entities which is open as defined in the Open Definition – **that is, it can be easily and freely used, reused and redistributed by anyone, for any purpose.**



Why is Open Data Important?

Open Data as a *PUBLIC GOOD*:

Information is a valuable societal asset whose value is multiplied when it is made easily accessible to the public. Municipal governments control many datasets that are very useful to social services, community planning groups, health advocates, and many other civic and social organizations as well as businesses and entrepreneurs and should commit to publishing these datasets rather than requiring data users to request them.

Open Data as a catalyst for *ECONOMIC DEVELOPMENT*:

In a digital age, data is a key resource for social and commercial activities. Everything from finding your local post office to building a search engine requires access to data, much of which is created or held by government. By opening up data, government can help drive the creation of innovative business and services that deliver social and commercial value.



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Why is Open Data Important?

Open Data as a Means of *ENSURING TRANSPARENCY*:

In a well-functioning, democratic society citizens need to know what their government is doing. To do that, they must be able freely to access government data and information and to share that information with other citizens. Transparency isn't just about access, it is also about sharing and reuse — often, to understand material it needs to be analyzed and visualized and this requires that the material be open and easily accessible so that it can be freely used and reused.

Open Data as an enabler of *PARTICIPATORY GOVERNANCE*:

Much of the time citizens are only able to engage with their government sporadically — maybe just at an election every 4 years. By opening up data, citizens are enabled to be much more directly informed and involved in decision-making. This is more than just transparency: it's about making a full “read/write” society, not just about knowing what is happening in the process of governance but being able to contribute to it.



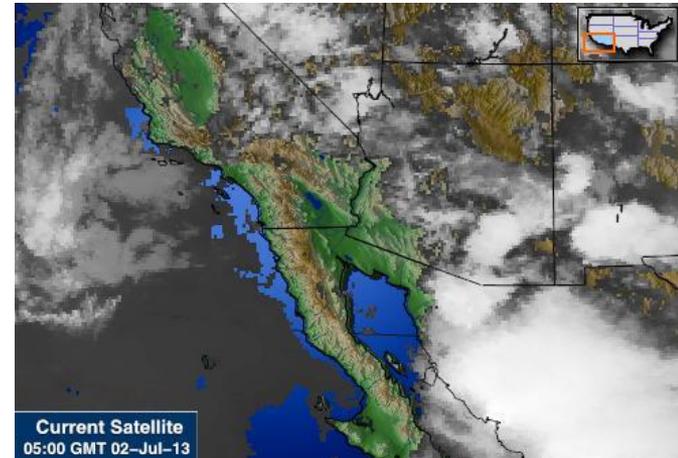
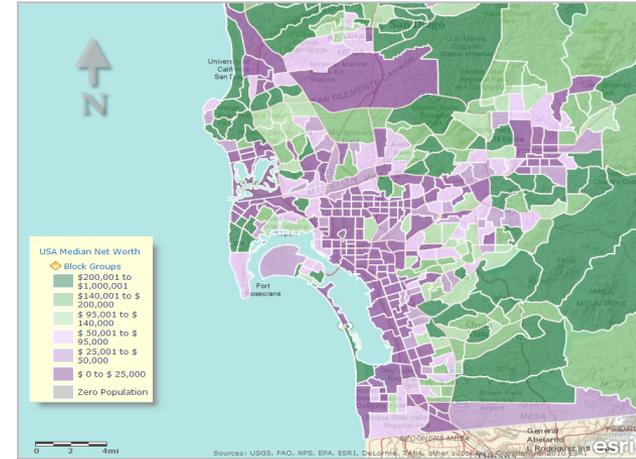
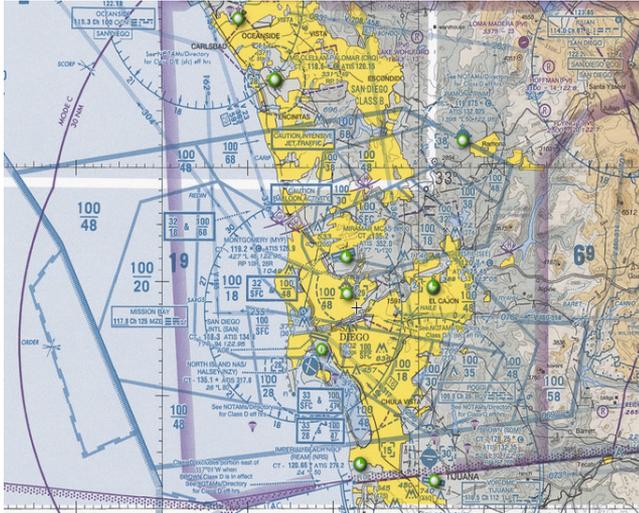
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Open Data is already part of our everyday lives



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Open Data in San Diego Today

Data may be available to the public but may not be in usable formats or may require a **PRA** request or persistence to obtain:

- Crime Data from SANDAG
- Infrastructure data from Public Works

Repositories or Catalogs currently online:

<http://sangis.org>

<http://maps.sandiego.gov>

<http://data.sandiegodata.org>

<http://maps.opensandiego.org>

<http://catalog.opensandiego.org>



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What does Open Data Policy Look like?

In other cities:

- Washington DC <http://bit.ly/YMJvEp> DCStat Policy June 1, 2006
- Vancouver <http://bit.ly/171n1pK> Resolution May 1, 2009
- Portland <http://bit.ly/11U9T1R> Resolution September 1, 2009
- San Francisco <http://bit.ly/10INWr6> Executive Order October 1, 2009
- Austin <http://bit.ly/ZrLgpq> Resolution December 1, 2011
- New York <http://on.nyc.gov/10dUHLW> Ordinance March 1, 2012
- Philadelphia <http://1.usa.gov/ZEseQt> Executive Order April 1, 2012
- Chicago <http://bit.ly/YWKYXT> Executive Order December 1, 2012
- Boston <http://www.cityofboston.gov/doit/initiatives/engagement.asp>
- Los Angeles - Mayor Garcetti has authored a motion before council now.



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What does Open Data Policy Look like?

At the State Level:

- New Hampshire <http://nhopengov.org/>
- Utah <http://www.utah.gov/data/>
- New York <https://nycopendata.socrata.com/>
- Hawaii <http://portal.ehawaii.gov/>

At the Federal Level:

- White House <http://www.whitehouse.gov/blog/2013/05/16/introducing-project-open-data>



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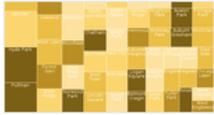
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What do City Open Data Portals Look Like

[Home](#) [About](#) [Help](#) [Developers](#) [Terms of Use](#) [City of Chicago](#) [Sign Up](#) [Sign In](#)
City of Chicago Data Portal



Energy Usage
An unprecedented dataset containing electrical and gas energy usage throughout Chicago in 2010. Data is available by Census block and month.



Alternative Fuel Locations
List of locations in Chicago where alternative vehicle fuels are available.



Crimes - 2001 to present
Review reported incidents of crime that occurred in Chicago from 2001 to present.



Chicago Transit Authority Datasets
Explore CTA data, including bus routes, 'L' lines, ridership information and fare card sales outlet locations.

Search & Browse Datasets and Views

Most Accessed This week

	Name	Popularity	Type
<input checked="" type="checkbox"/>	Elevation Benchmarks Buildings benchmarks, gis The following dataset includes "Active Benchmarks," which are provided to facilitate the identification of City-managed standard	5,036 views	[Icon]
<input checked="" type="checkbox"/>	Performance Metrics - Innovation & Technology - Site Availability Administration & Finance performance metrics, technology The website availability metrics below are derived from an automated monitor that sends a request every two minutes to each website.	434 views	[Icon]
<input checked="" type="checkbox"/>	TIF Projection Reports - Roosevelt/Canal Community & Economic Development tif The Tax Increment Financing (TIF) Projection Report is a three-year planning document used to evaluate resources and project balances	78 views	[Icon]
<input checked="" type="checkbox"/>	TIF Projection Reports - Harrison/Central Community & Economic Development tif The Tax Increment Financing (TIF) Projection Report is a three-year planning document used to evaluate resources and project balances	66 views	[Icon]
<input checked="" type="checkbox"/>	TIF Projection Reports - Sanitary Drainage and Ship Canal Community & Economic Development tif The Tax Increment Financing (TIF) Projection Report is a three-year planning document used to evaluate resources and project balances	73 views	[Icon]
<input checked="" type="checkbox"/>	Mental Health Clinics - Map Health & Human Services facilities, gis City of Chicago Mental Health Clinic locations, hours of operation and contact information.	1,383 views	[Icon]
<input checked="" type="checkbox"/>	Cook County - Forest Preserve Boundaries - KML Parks & Recreation county, forest preserves, gis, kml, sustainability KML file of Forest Preserve District of Cook County boundaries. To view or use these files, special GIS software such as Google Earth is	169 views	[Icon]
<input checked="" type="checkbox"/>	Parks - Facilities & Features - Shapefiles Parks & Recreation gis, shapefiles, facilities, sustainability Facilities and features in Chicago parks. For more information, visit http://www.chicagoparkdistrict.com/facilities/search/ . To view or use	241 views	[Icon]
<input checked="" type="checkbox"/>	Cook County - Forest Preserve Boundaries Parks & Recreation county, forest preserves, gis, shapefiles, ... Forest Preserve District of Cook County boundaries. To view or use these shapefiles, compression software and special GIS software,	255 views	[Icon]
<input checked="" type="checkbox"/>	CTA - Bus Routes - KML Transportation cta, public transit, bus, gis, kml, sustainability Line data representing CTA bus routes. To view or use these files, special GIS software, such as Google Earth, is required.	617 views	[Icon]

View Types

- Datasets
- Charts
- Maps
- Calendars
- Filtered Views
- External Datasets
- Files and Documents
- Forms
- APIs

Categories

- Administration & Finance
- Buildings
- Community & Economic Development
- Education
- Environment & Sustainable Development

View All

Topics

- crime
- gis
- performance metrics



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Open Government Data Success Stories

Chicago released their street sweeper data set in a machine readable format; developers built sweeparound.us which helped citizens be aware of the city's street cleaning schedule.

Cook County IL released their budget data; a developer (also a city councilman) built a budget visualization app which lets citizens easily explore and understand where their tax dollars are going (used in Whitewater as well).

Oakland published crime report data; local developers built Crimespotting, an interactive map of crimes in Oakland which lets citizens better understand what's happening in their community.

... and many many more



San Diego Neighborhood Infrastructure Planning

Proof of Concept for Open Data

- Community Planning Groups provide formal input to Infrastructure Planning Process (CIP spreadsheets aggregated by CPC)
- Community Budget Alliance groups (text and paper based surveys)
- Department Needs Lists (aggregated by Public Works)
- City Enterprise GIS provides current info re active infrastructure projects.
- Data Exports from City Enterprise apps (SAP, Primavera) will drive a re-imagined CIP Project Status app.
- Datasets being integrated into single app for use by all citizens <http://infrastructure.opensandiego.org>
- ***Open Data enables the integration of citizen and community input into Infrastructure Planning.***



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8 Principles of Open Government Data

Government data shall be considered open if the data are made public in a way that complies with the principles below:

1. Data Must Be Complete

All public data are made available. Data are electronically stored information or recordings, including but not limited to documents, databases, transcripts, and audio/visual recordings. Public data are data that are not subject to valid privacy, security or privilege limitations, as governed by other statutes.

2. Data Must Be Primary

Data are published as collected at the source, with the finest possible level of granularity, not in aggregate or modified forms.

3. Data Must Be Timely

Data are made available as quickly as necessary to preserve the value of the data.

4. Data Must Be Accessible

Data are available to the widest range of users for the widest range of purposes.



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8 Principles of Open Government Data

5. Data Must Be Machine processable

Data are reasonably structured to allow automated processing of it.

6. Access Must Be Non-Discriminatory

Data are available to anyone, with no requirement of registration.

7. Data Formats Must Be Non-Proprietary

Data are available in a format over which no entity has exclusive control.

8. Data Must Be License-free

Data are not subject to any copyright, patent, trademark or trade secret regulation.

Reasonable privacy, security and privilege restrictions may be allowed as governed by other statutes.



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Recommendations and Next Steps

Develop an open data policy and implementation plan in the next year, beginning with consideration of:

- Best practices (don't reinvent the wheel)**
- Resources required**
- Legal issues**

Develop a culture of Open Data now to facilitate implementation.



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Thanks!



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