



Open Data Portal: It's the Public's Data

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OpenData Workshop
September 24, 2018

Agenda



- OpenData History
- End Policies
- Datasets
 - The foundation of Open Data
- Visualizations
 - Maps, charts, graphs and more
- Story Pages
- OpenCheckbook
- Third Party Uses
- Open Data Lessons Learned
- More to Explore

OpenData History



- 11/2016
 - Police & Fire Incident Maps
 - Acquired Socrata
 - Trained Staff on Open Data principles
- 6/2017
 - Official Open Data Launch as part of WWC
 - Procured PowerBI licenses and Trained Staff
- 3/2018
 - Data Advisory Team formed to help with larger data projects
- 9/2018
 - Largest release of data assets since launch
 - OpenCheckbook launched

Open Data Portal



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English

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Open Data Naperville

Explore Naperville's Data and Strategic Goals



Financial Stability

Naperville will be financially stable and maintain a AAA bond rating



Economic Development

Naperville will be the location of choice for businesses



Public Safety

Naperville will deliver highly-responsive emergency services to provide for a safe community



High Performing Gov't

Naperville will provide reliable, efficient and high-quality services



Naperville's Open Data Catalog

Access Naperville's Open Data

[View the Catalog](#)



Naperville Maps

View a collection of interactive maps and raw geospatial datasets maintained by the City.

[Go to the Map Gallery](#)



Environmental Sustainability

Naperville continues to be an environmental leader among its peers making measurable, cost-effective investments in our infrastructure to provide more sustainable services.

[Learn more](#)



Gov't Meeting Documents & Videos

Find links to agendas, video and related documents for Naperville's City Council, boards and commissions.

[Go to the Meeting Archive](#)

Front page lists Performance goals and important pages.

<https://Data.Naperville.il.us>

Ends Policies



- **Financial Stability**

- Naperville will be financially stable and maintain a AAA bond rating.

- **Economic Development**

- Naperville will be the location of choice for businesses.

- **Public Safety**

- Naperville will deliver highly responsive emergency services to provide for a safe community.

- **High Performing Government**

- Naperville will provide reliable, efficient, and high-quality services.

Definitions



Ends Policies



Story Pages



Visualizations



Datasets

Datasets are the foundation of an Open Data program.

Visualizations provide more clarity to a dataset.

Story Pages can combine multiple visualizations to provide a full picture.

Performance Goals help measure outcomes

Datasets



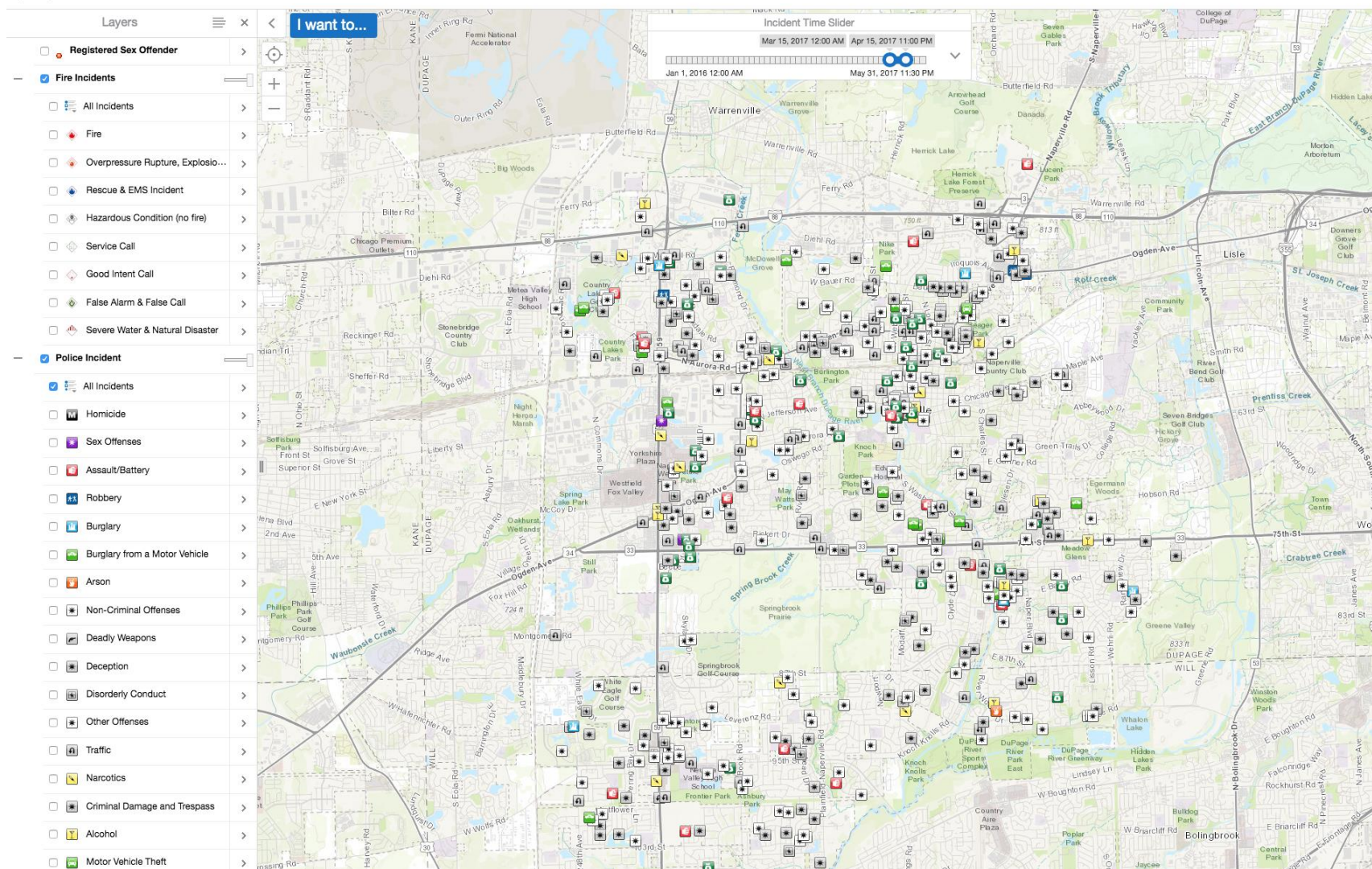
- Large spreadsheets
 - Tabular format
 - Machine readable
 - Easy to understand and manipulate
- Sort, filter, create visualizations
- Use an application program interface (API) to automate retrieval of data
 - Allows for use by 3rd Party services

Visualizations -- Public Safety Incident Map



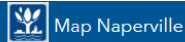
Naperville Public Safety Incident Map
City of Naperville

Search...



<http://gis.naperville.il.us/Html5Viewer/index.html?viewer=IncidentMap>

Visualizations -- Map Listing



[Sign In](#)

City Service Maps

Providing information about City of Naperville services.



Brush Collection Map

View brush collection schedules and status



EAB Treatment Map

Track EAB treatments on parkway ash trees



Garbage & Recycling Map

Find your garbage and recycling day



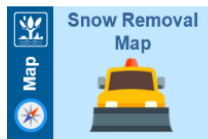
New Leaf Collection Map

View leaf collection schedules and status



Parkway Tree Selector

Qualifying homeowners can select a new parkway tree



Snow Removal Map

Follow the progress of City plow trucks during the winter

Visualizations -- PowerBI



- Police Crime Statistics

Story Pages -- Examples



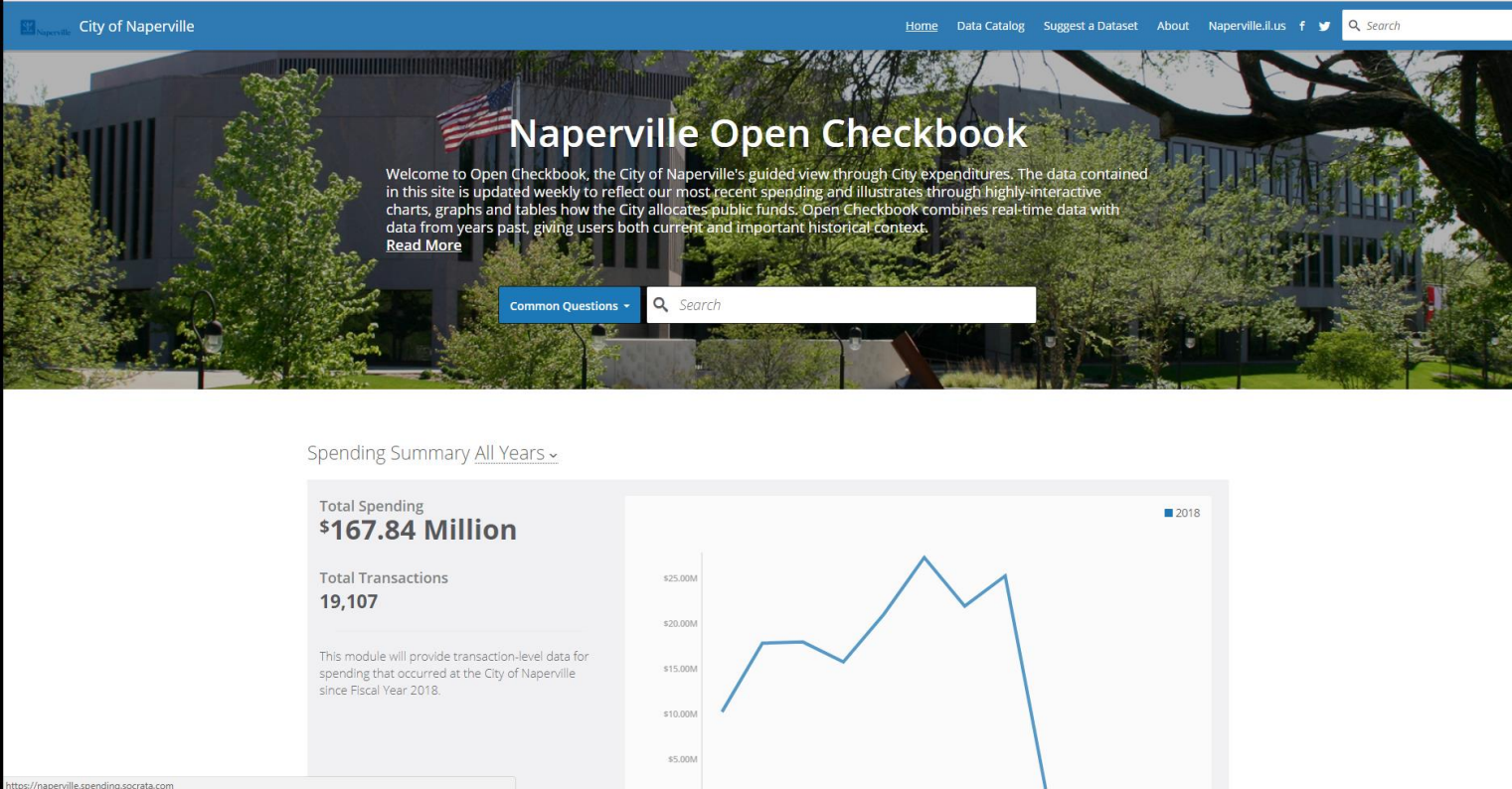
- Measuring the Impact of Downtown Special Events
- 2017 Environmental Sustainability Report
- Naperville Phosphorus Removal

OpenCheckbook



Updated weekly, this site reflects most recent spending.

Interactive graphs and charts allow citizens to display how public funds are allocated



<https://checkbook.naperville.il.us>

3rd Party Uses

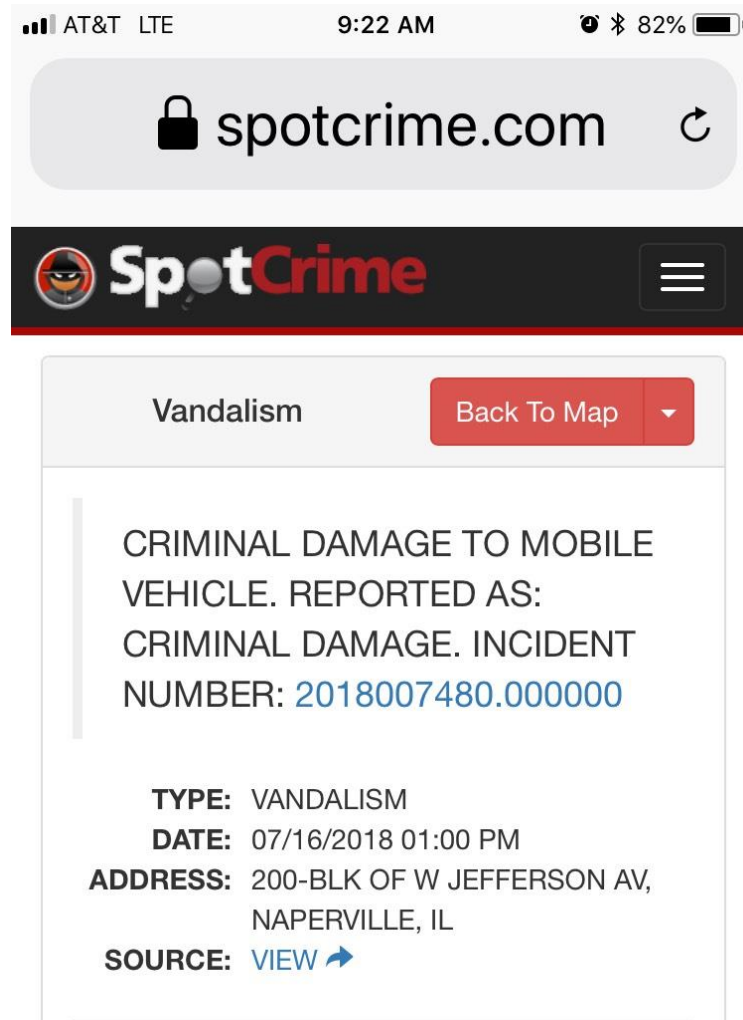


- PulsePoint
- SpotCrime
- Naperville Township



Screenshot of app shown. Citizens can signup to receive daily eMail notifications

3rd Party Uses – SpotCrime



Clicking on an icon in app, displays incident on SpotCrime website.

Data is pulled directly from the City's Open Data Portal

Open Data



- Increasing access to data results in better decision making.
- Formal FOIAs should reduce over time as we provide more data and integrate with the City website.
- City Staff among the most frequent users.
 - Processes improved
 - Data is freed up for use across systems
- Citizens have provided great ideas.

More to Explore



STORY PAGES

- [Naperville Nutrient Removal \(Water\)](#)
- [Measuring the Impact of Downtown Special Events](#)

DATASETS

- [SECA Grant Awards 2010-2018](#)
- [Springbrook Water Reclamation Nutrient Levels](#)
- [Phosphorus Surcharge Balance](#)
- [Downtown Special Events 2016-2017](#)
- [Special Events 2009 - 2018](#)
- [Sales Tax Revenue \(2009 - 2017\)](#)
- [Open Data Naperville Daily Site Analytics](#)
- [Garbage and Recycling Collections \(2010 - Current Year\)](#)
- [Electronics Recycling \(2011 - Current Year\)](#)
- [Household Hazardous Waste Collected \(2010 - Current Year\)](#)
- [Arbor Day Tree Sales \(2010 - Current Year\)](#)
- [Prescription Drug Drop Off \(2014 - Current Year\)](#)
- [Electric Customer Consumption \(2010 - Current Year\)](#)
- [Snowfall and Salt Usage \(2009 - Current Year\)](#)
- [Leak Detection Survey \(2013 - Current Year\)](#)
- [Vehicle Charging Stations \(2012 - Current Year\)](#)
- [Sidewalk Program \(2010 - Current Year\)](#)
- [Metra Ridership \(2010 - Current Year\)](#)
- [Pace Ridership \(2010 - Current Year\)](#)
- [Water Service Outage Index](#)
- [Storm Sewer Maintenance \(2010 - Current Year\)](#)

September has had the largest number of datasets released since launch.

More to come.

Thank You



- Questions?
- Suggestions?