OPEN DATA - LESSONS LEARNED IMPLEMENTING AN OPEN DATA PORTAL

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WHY I THOUGHT OPEN DATA WOULD BE WORTHWHILE TO PRESENT – WHY OPEN DATA?

- Transparency in government
- Citizen Engagement
- Innovation
- Sharing of Knowledge
- Increase your GIS ROI
- Analytics - Created measurability and accountability where it wasn’t previously possible
WHAT IS OPEN DATA?

- Open means OPEN – or Openly Available
- Data is freely used
- Data is provided at reasonable cost
- Indiscriminate
- Interoperable
DETERMINE WHAT DATA TO “OPEN”

- Purpose of data
- Start simple
- Identify users
- Identify data owners
- Create open license
- Get inspired by others
THE APPROACH

• Provide land use data, from Land Management System as Open Data
  • Unsafe Properties
  • Building Permits
  • Code Cases

• Data was ready
  • Already a usable format
  • Easily updated for Open Data
  • Had already been posting this data for many years in a variety of ways
GETTING READY

- Open Data is accessed via AGO
- Create new AGO Group to be used by Open Data
  - Check the box: “Designate as available for use in Open Data sites”
HOW TO GET STARTED WITH OPEN DATA

- ESRI provides an Open Data site within ArcGIS Online
- Open Data has to be enabled
DATA REQUIREMENTS

• Prepare Data for Open Data
  • Hosted feature layers
  • ArcGIS Server feature services
  • ArcGIS Server map services
  • ArcGIS Service image service
  • CSV files
  • Hosted tables

• Limited Support
  • External URLS
  • Web maps
  • Word documents
  • PDFS
  • Other documents

Data requirements may change, reference this website:
PUBLISHING DATA FOR OPEN DATA

- Create MXD for Open Data
  - Create map document
  - Add the data you want to make available using open data
  - Add metadata and tags to the map document

- Publish service
  - Make sure to publish as a supported data type
  - Add the service to AGO
  - Include the new service in your new Open Data Group
  - Add your Open License to the Access and Use Constraints section

⚠️ Warnings
This item does not have a license. Please edit the item in ArcGIS Online.
4 STEPS TO GET AN OPEN DATA SITE RUNNING

- Configure Site
- Manage Data
- Data Report
- Design Layout
CONFIGURE SITE

- Enable Open Data in ArcGIS Online
- Create New Site – You’ll Need:
  - Site Name
  - Icon for the Browser (URL) (optional)
  - Site URL – Creates a URL like: OpenData.agency.opendata.arcgis.com
  - Custom Domain (optional, requires DNS configuration)
- You choose whether to make the site Public or Private
- You choose the extent of the map
- You choose what basemap to use, default or your own
MANAGE DATA

• Select data from the Open Data Group
• Open Data Group
  • Should automatically be selectable to add to the site
DATA REPORT

- This page will display the data available, and report any issues
DESIGN LAYOUT

- Design Site (Wizard)
  - Wizard will take care of the formatting for you
  - Set the title
  - Set the icon
  - Add widgets

- Design Site (HTML)
  - Once HTML is edited, the wizard is no longer available
Choose a Banner Title and Image

Show map

Wizard  Code

Homepage Title
City of Clearwater Open Data Portal

Homepage Image URL (optional)
http://myclearwater.com/info/about/geography/images

Preview Website Banner

City of Clearwater Open Data Portal

Define Layout

Your page layout is defined with a set of widgets, each providing different features to the user. Add, delete, and modify the widgets to construct just the page you want.

Wizard  Code

Add Widget

City of Clearwater - Open Data Portal
City of Clearwater - Open Data Portal

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Available Data

Unsafe Properties
BY CITYOFCLEARWATER APRIL 07, 2015

CRA - City of Clearwater
Community Reinvestment Act

Recently Downloaded Data

Unsafe Properties
BY CITYOFCLEARWATER APRIL 07, 2015

CRA - City of Clearwater
Community Reinvestment Act
VIEWING THE DATA
USING THE DATA

ABOUT
Open Data
By City of Clearwater
Updated: 3 hours ago

Download Dataset

DOWNLOAD ENTIRE DATASET
Spreadsheet  KML  Shapefile  API

OR
DOWNLOAD FILTERED DATASET
Spreadsheet  KML  Shapefile  API
WHAT WE WERE ABLE TO ACCOMPLISH WITH THE NEW OPEN DATA PORTAL

• No need for custom development work
• Turned off old “portals”
• Open data in one place – Easy to manage
• Data is made available in multiple formats automatically
• Huge ROI
WHAT WAS LEARNED?

• Having an Open Data License is important
• Open Data remains to be heavily utilized
• ESRI updates periodically, further improving the platform
THANK YOU

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