WI Municipal GIS User Group Meeting
A WLIA Special Interest Group

Friday, September 29, 2017

9:00 – 9:10   Welcome

9:10 – 9:35   **Understanding Coordinate Systems and Reprojecting Data**
David Flack – Ruekert & Mielke, Inc.

It's not uncommon in GIS to find a layer that just doesn't line up with the others. When this happens, different coordinate systems and their underlying datums are often the problem. To help you solve this problem next time we will discuss the basics of coordinate systems and datums and how their differences cause these problems. We will also discuss how to resolve common projection issues in ArcGIS Desktop.

9:35 – 10:00   **Streamlining a Wisconsin DNR application process**
David Buehler - City of Marshfield

How do you help your users be more efficient? Sometimes it is a web map or app. Sometimes it is instruction on how to do something so they can help themselves. Other times it is break out the big guns and give them a tool they can just use. That is how we solved what was a time consuming inaccurate process of filling out a permit for municipal sludge injections. Using a combination of Python add-ins and Model Builder, the wastewater department can help themselves, and have an easy to use tool to help them supplement their application to the DNR.

10:00 – 10:25   **GIS and the Environmental Protection Agency (EPA)**
Tyler Caulum - City of Manitowoc

The City of Manitowoc has been awarded multiple grants from the EPA in order to help clean up some of the volatile soil conditions that are left in the wake of heavy industrial land uses in cities all over America.   We will cover the role of historical maps, ground penetrating radar and simple GIS tools that combine to ensure the guidelines set by the EPA are followed and a complete cleanup is administered.

10:25 – 10:35   **Break**

These presentations may be recorded. You may be recorded and this may be publicized.

10:35 – 11:00   Paper to Mobile Public Works
Alison Mynsberge - City of Wisconsin Rapids

The City of Wisconsin Rapids is transitioning from paper to digital data collection. Over the last year, city staff has moved tree, pipe, and catch basin inspections and maintenance to Collector for ArcGIS. Workforce for ArcGIS is also playing a role in annual street check activities. This presentation will highlight hurdles and workarounds using the suite of ArcGIS Online tools, including Survey123 and Operations Dashboard, to improve Public Works maintenance and inspection activities.

11:00 – 11:25   Water Lateral Pre-Inspections with Survey123
Adam Dorn – City of Oshkosh

As part of the City of Oshkosh's lead lateral replacement program staff or a private plumber do a pre-inspection of water laterals on reconstruction projects. Survey123 offered a great opportunity for staff to collect all of the needed data from the customers. With the ability to use the survey results in ArcGIS it was easy to compare the results with existing water utility data.

11:25 – 12:00   Migrating from Custom Workflows to Apps
Kyle Belott – R.A. Smith National

The City of Manitowoc has a long history of building custom infrastructure maintenance workflows. In recent years the City has migrated from an MS Access platform to ArcGIS Web AppBuilder Apps. The Apps guide Storm/Sanitary cleaning activities so field crews can visualize, and better manage, their annual progress around the City. A variety of Python-based tools assigns and shares Districts to field crews using iPads connected to the City's ArcGIS Online organization. Tools also process the completed District for compilation into an annual reporting cycle. Our discussion will center on the integration of these various technologies.

12:00 – ????   Lunch, Submarine Tours and Networking.

Free Submarine Tours!!!

Who doesn't like something for free?

Special Thanks to The Wisconsin Maritime Museum and Manitowoc-Two Rivers Visitor & Convention Bureau for offering free tours of the WWII Submarine that is docked in the Manitowoc Harbor. Tours will begin immediately after the presentations, around 12:00. Depending on amount of people interested, some can eat and then tour or tour and then eat!

www.manitowoc.info

Networking at Lunch 12:00 PM:

WI Maritime Museum
Riverview Room

Menu Information: Assorted Deli Sandwiches from Maretti's Deli (a local Deli Shop), Chips, Pasta Salads and Pickles.

Cost: $8

- Please, if possible bring cash. If you are not able to pay with check or cash please contact Tyler at 920.686.6934 as soon as possible. Receipts will be available, if needed.

Confirmation of having lunch will be taken that morning.

If you don't feel like rushing around on Friday morning or would like to spend some more time in Manitowoc? We have a solution!

Baymont Inn

One block east of Maritime Museum, right on the harbor!
Please contact Tyler or Jill for more information.

These presentations may be recorded. You may be recorded and this may be publicized.