

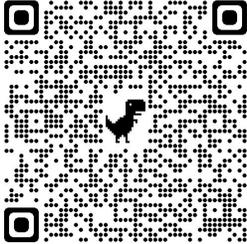
# 23rd Annual Midwest Esri Utility User Group Conference



**April 3-5, 2024**  
**Best Western Kelly Inn**  
 100 4th Ave S, St. Cloud, Minnesota 56301



## Digital Agenda



- Hosted By -



Wednesday, April 3, 2024

Track 1	GIS Beginners Classes
Track 2	GIS Intermediate & Advanced Classes
	Sponsor Presentations

## Hotel Information

A block of rooms has been reserved at: Best Western Kelly Inn

Address: 100 4th Ave S, St. Cloud, MN 56301

Phone: (320) 253-0606

**Rooms must be reserved by Wednesday March 2nd to receive the group rate of \$129.** After 3/2/2024 any rooms reserved will be subject to availability, their Best Available Rate, and the Group Rate will not be honored.

Mention **Midwest ESRI Utility Users Group (MWEUUG)** when making your reservation or use the following link: [2024 Annual MWEUUG Conference](https://www.mweuug.com)

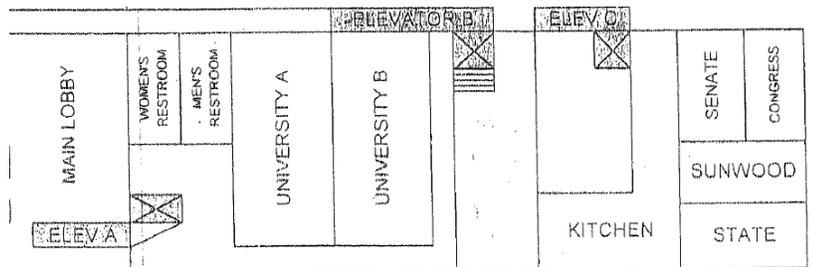
Time	Activity
11:30 am - 4:30 pm	<b>Registration</b>
12:00 pm - 12:30 pm	Honey Badger Analytics – Bradford Folta
12:30 pm - 1:00 pm	SSP Innovations – David Miller & Samuel Handziak
1:00 pm - 1:30 pm	Mosaic – Dylan Faraone & Cody Cooper
1:30 pm - 2:00 pm	mPower Innovations
2:00 pm - 2:30 pm	POWER Engineers – Bill Hoisington & Joe Paniccia & Andy Berg – Connexus Energy
2:30 pm - 2:45 pm	Afternoon Break
2:45 pm - 3:15 pm	Fenex Labs - Gregg Noland
3:15 pm - 3:45 pm	Frontier Precision – Dan Braun & David Siddle
3:45 pm - 4:15 pm	Power System Engineering, Inc. – Logan Suhr & Tyler Caulum
4:15 pm - 4:45 pm	WSB – Alex Johnson & Justin Hansen
4:45 pm - 5:15 pm	Ayers Associates Inc – Nik Anderson
5:30 pm - 8:00 pm	Vendor Hall Evening Social

## General Conference Information

We will be utilizing the Senate, Congress and Sunwood rooms together for main presentation location, the University A & B halls for breakout presentations, and the State room for the Vendor Hall throughout the MWEUUG Conference.

Please direct any questions to Mike Siedschlag at [msiedschlag@greenergy.com](mailto:msiedschlag@greenergy.com) or James Huffman at [jhuffman@riverlandenergy.com](mailto:jhuffman@riverlandenergy.com)

For additional information please visit the conference website at [www.mweuug.com](http://www.mweuug.com) or by joining the MWEUUG LinkedIn group at <https://www.linkedin.com/>



## Thursday, April 4, 2024

8:00 am - 8:05 am	Welcome - General Assembly	
8:05 am - 9:00 am	Plenary Session - Introductions	
9:00 am - 10:00 am	Keynote Presentations - EPRI EVs2Scale initiative and e-roadmap tool – Rodney De Fouw–Great River Energy & The Importance of Cooperatives–Gabe Chan–Great River Energy	
10:00 am - 10:15 am	Morning Break	
10:15 am - 12:00 pm	Esri Utilities overview - Keith Krall and Tom DeWitte	
12:00 pm - 1:00 pm	Lunch Break	
1:00 pm - 1:30 pm	Getting started with Dashboarding Ryan Moore–RPU	Enterprise Security James Huffman– Riverland Energy Jeff Grussing - GRE
1:30 pm - 2:00 pm	Enhancing and Combining Content with Experience Builder’s Pages Spencer McCombs–City of Moorhead	ArcGIS Online–Sharing services with outside entities Maegan Caouette – GRE
2:00 pm - 2:30 pm	Customer Street Light Outage Application Dan Hutter & Steve Grenell– Menasha Public Utilities	Extending Utility Workflows with Esri’s Experience Builder Amy Larson – RPU
2:30 pm - 2:45 pm	Afternoon Break	
2:45 pm - 3:15 pm	Esri no longer a 4-letter word, but I use them more often now Steve Hanson– Detroit Lakes Public Utilities	Configuring custom forms for ArcGIS Field Maps Robert Borchert - GRE
3:15 pm - 3:45 pm	Esri usage @ Lake Region Electric Cooperative Randy Pitura–LREC	Configuring Field Maps for field worker safety Tom DeWitte–Esri
3:45 pm - 4:15 pm	When to Reach Out for Help Jessie Lloyd–Fairmont Public Utilities	ArcGIS Trace Network–An alternative to the Utility Network Austin Braget–City of West Fargo
4:15 pm - 4:30 pm	Afternoon Break	
4:30 pm - 5:00 pm	Lead Service Line Inventory Curtis Webb–Austin Utilities	
6:00 pm - 10:00 pm	Group Dinner and Social	

Exhibits Open at Breaks

## Friday, April 5, 2024

8:00 am - 9:00 am	MWEUUG Business Meeting / Q & A Session
9:00 am - 9:15 am	Morning Break
9:15 am - 11:45 am	GIS Showcase—bring your own device and show us what you’re doing with GIS ArcGIS Pro—project creation, mxd import, editing, geoprocessing, layouts, symbology & labeling, and more!  Utility Round-table <ul style="list-style-type: none"> <li>• Tell us what you are doing with GIS</li> <li>• What are your pain points?</li> <li>• What are you GIS successes?</li> </ul>
11:45 am	Adjourn

## Vendor Presentations – Wednesday April 3

### Honey Badger Analytics—Bradford Folta Capturing the Whole Picture

*The tools are here, and we are using them. Find out what Honey Badger Analytics is bringing to market: a new way to approach data collection and analytics.*

### SSP Innovations—David Miller & Samuel Handziak The Esri Utility Network: A Generational Change

*The Esri Utility Network presents a once in a generation chance for a utility to re-establish what their GIS means to their business, customers, and members. But what is the Utility Network? Why did it come about? And what are the lessons that the early adopters have learned in their implementations of the technology? SSP Innovations will cover all these topics as they help you understand the opportunity being laid out in front of you!*

### Mosaic—Dylan Faraone & Cody Cooper

#### How high resolution 360° imagery can benefit utilities across the U.S.

*With ESRI's recently updated Oriented Imagery paired with clear street view imagery from an easy-to-use mobile mapping camera system, ESRI's utility users now have the power and ability to easily capture and view their vast networks for pre/post-vis projects, network planning and asset management. This presentation will give a hands-on demo of Mosaic's mobile mapping cameras as well as showcase the imagery in Oriented Imagery*

### mPower Innovations

### POWER Engineers - Bill Hoisington & Joe Paniccia & Andy Berg—Connexus Energy

#### Expertise for a Seamless UN Implementation

*Connexus Energy, partnering with POWER Engineers, undertook a transformative three-year project for the phased migration to the Esri Utility Network (UN). This initiative aimed at streamlining business operations, improving planning and engineering efficiency, enhancing data management capabilities, and preparing for future Advanced Distribution Management System (ADMS) integration. The project was segmented into three phases: initial readiness assessment and roadmap establishment, creation of an initial UN model as a direct replacement of the existing GIS, and final integration of existing interfaces and applications within the new UN framework. Notable successes included expertly tailored design and development of new interfaces and applications, smooth operational transition with minimal disruptions, effective collaboration between teams, and strengthened capabilities for future ADMS integration.*

### Fenulabs - Gregg Noland

#### How do we get from the Geometric Network to ArcGIS Pro?!

*As ArcGIS Desktop approaches end-of-life, those who haven't moved to ArcGIS Pro are wondering what to do, what the options are, etc. This presentation covers potential options for electric, gas, and water utilities. The advantages and pitfalls for not implementing the Utility Network at all or using the Esri Trace Network will be discussed. For the Utility Network, a look into hidden data and connectivity issues that may currently exist in your ArcGIS Desktop Geometric Network that will be problematic for ArcGIS Pro will be shown. Case studies of two migration projects that we've performed will be presented.*

### Frontier Precision—Dan Braun & David Siddle

#### ESRI Data Collection Apps and High Accuracy GNSS Data Collection

*Field mobility has never been easier to integrate into your workflow through apps such as ESRI Field Maps or Survey123. Discover the options available when using ESRI's ArcGIS platforms to manage your team's field spatial data collection. This session will introduce you to the primary ways you can utilize ESRI's ArcGIS platform to digitally transform mobile staff's field initiatives. Learn how to integrate high accuracy GNSS workflows into your GIS data collection.*

### Power System Engineering, Inc—Logan Suhr & Tyler Caulum

#### Unlocking Efficiency: Data Automation with the Data Interoperability Extension for ArcGIS Pro

*In today's data-driven landscape, the ability to seamlessly exchange and integrate geospatial data across platforms is paramount for efficient decision-making and analysis. This presentation delves into the transformative capabilities of the Data Interoperability Extension for ArcGIS Pro, offering insights into how organizations can automate their data workflows to streamline processes, enhance data quality, and foster collaboration. From data transformation and format conversion to complex spatial ETL (Extract, Transform, Load) operations, we will explore several capabilities with a live demo processing LiDAR data for use in PLS-CADD.*

### WSB—Alex Johnson & Justin Hansen

#### Deploying GIS in the Cloud: A Beginner's Guide

*This presentation offers a beginner-friendly introduction to deploying Esri Enterprise GIS in the Cloud. We'll simplify complex concepts and explore the benefits, challenges, and practical tips for transitioning GIS infrastructure and environments to the Cloud. Through real-world examples and clear explanations, attendees will gain a solid understanding of the considerations involved in migrating GIS workflows to the Cloud. By the end, this presentation will ensure attendees are well-informed about deploying GIS in the Cloud and equipped with the knowledge to embark confidently on their Cloud journey.*

### Ayers Associates, Inc—Nik Anderson

#### Integrating Remote Sensing into your GIS toolkit

*Geospatial technology allows us to better understand and manage the world we live in. When you live in the utility space, conventional data acquisition can pose safety risks, schedule constraints, and budget issues. Learn how you can utilize imagery and lidar to bolster the ability of your GIS to manage your networks more efficiently and support engineering. See how lidar is no longer reserved for remote sensing specialists and is now in the hands of more GIS professionals through ESRI technology.*

## General Session Presentations – Thursday April 4

### Plenary

Mike Siedschlag

*In this group discussion we will focus on you and how you are or plan to use GIS, discuss challenges you face and what you're Utilities future GIS plans are. How are you using GIS currently? What challenges are you encountering? What projects are you working on? What do you want to implement but need assistance with? What is your GIS plan or initiatives for next year, five years and ten years?*

### Keynote Presentations

#### EPRI EVs2Scale Initiative and e-roadmap tool

Rodney De Fouw—Great River Energy

#### The Importance of Cooperatives

Gabe Chan—Great River Energy

### Beginner Breakout Sessions

#### Getting started with Dashboarding

Ryan Moore - Rochester Public Utilities

*Need to visualize and summarize your GIS and other business data? ArcGIS dashboards may be the tool for you. A dashboard is a view of geographic information and data that allows you to monitor events, make decisions, inform others, and see trends. In this presentation we'll explore some dashboard examples and walk through the process of how you can create your own dashboards with no coding needed.*

#### Enhancing and Combining Content with Experience Builder's Pages

Spencer McCombs—City of Moorhead

*To showcase Moorhead's River Corridor Trail and new interpretive signs, the City GIS department was tasked with creating a single application with a robust list of features. Experience Builder and it's Pages functionality was chosen in order to combine a Webmap, multiple Story Maps, Survey 123 form, and external content, into a single, easy to navigate application with layouts tailored to desktop and mobile users. This presentation will showcase how the application was built through a live demonstration of Experience Builder.*

#### Customer Street Light Outage Application

Dan Hutter & Steve Grenell—Menasha Public Utilities

*Develop a Street light outage application with the tools from ArcGIS Enterprise for the public. Application utilizes ArcGIS Experience Builder, ArcGIS Online, Survey123 and Microsoft Power automate*

#### Esri no longer a 4-letter word, but I use them more often now

Steve Hanson—Detroit Lakes Public Utilities

*I'm slowly converting my thought process over to the ArcPro way of doing things. Slowly understanding the terminology, the way you must do certain things, but I do miss AutoCAD. I plan to show several things that irritate me while using ArcPro and as a group discuss different ways to work through these issues. This talk will bring certain frustrations I have before the group to see if I am the only one, or if others have run into the same issues. Maybe between all of us we can help each other correct these, find new ways to do things and make life easier in the ArcPro World.*

#### Esri usage @ Lake Region Electric Coop

Randy Pitura—LREC



## Beginner Breakout Sessions - Continued

### When to Reach Out for Help

Jessie Lloyd—Fairmont Public Utilities

*ESRI enterprise and ESRI online can be a very challenging experience sometimes. Everything from the initial setup to day to day tasks can range from super easy to pulling your hair out frustrating. Sometime you just need another set of eyes on a project, or a second opinion on how to set something up. This is where asking for help is super important. Real social networking can be your friend in these circumstances. Knowing who to call and when might be the difference between a failed and successful deployment.*

*In this presentation I will cover:*

*How to find the right people/other utilities to contact. (This conference being a big one)*

*When to call them and how much is too much.*

*When to ask for commercial/outside vendor support.*

*How to deal with ESRI support or sometime lack of...*

*How asking for help impacted our ESRI enterprise deployment.*

*Getting involved in an extended user group or making your own.*

### Lead Service Line Inventory

Curtis Webb—Austin Utilities

*Revisions to the Safe Drinking Water Act Lead and Copper Rule (LCRR) require MN water utilities provide a publicly accessible inventory of lead water services by October 16, 2024. Austin Utilities (AU) provides water services to approximately 25,000 residents of the City of Austin, MN and has chosen to utilize ESRI's Lead Service Line Replacement Solution to assist in completing this task. This session will discuss the planning, implementation, and production of the LSLR solution as well as describe potential roadblocks faced during initial planning and execution of this project.*

## Intermediate and Advanced Breakout Sessions

### Enterprise Security

James Huffman—Riverland Energy & Jeff Grussing—GRE

### ArcGIS Online—Sharing services with outside entities

Maegan Caouette—GRE

Showcase the way Great River Energy is sharing services with outside entities to ensure we have the most current data using groups in ArcGIS Online rather than sharing shapefiles for 180-mile-long transmission project.

### Extending Utility Workflows with Esri's Experience Builder

Amy Larson—RPU

*This presentation will cover Esri's Experience Builder, which is a low-code solution within the ArcGIS Platform for creating custom web apps that interact with 2D and 3Dgeospatial data. It can be used to enhance utility workflows for end-to-end work optimization.*

### Configuring custom forms for ArcGIS Field Maps

Robert Borchert—GRE

*Field Maps allows your field crews to collect data and perform inspections using Web Maps. Forms allow you to customize pop ups in the Web Map rather than in ArcGIS Pro. This functionality allows for the same feature service to be used in multiple Web Maps and customize it for each one without having to publish a new service. This session will introduce you to Forms for Field Maps.*

### Configuring Field Maps for field worker safety

Tom DeWitte—Esri

*Everyday utility mobile workers are exposed to hazards and dangerous locations while trying to perform their job. Often these hazards and dangerous locations are known to the utility organization but are not consistently communicated to the mobile worker. Learn how to configure ArcGIS Field Maps and its geofencing capability, so your mobile workers are automatically notified as they approach these known hazards and dangerous locations. See how you can help your organization improve the safety of your mobile workers by deploying this core capability of ArcGIS Field Maps.*

### ArcGIS Trace Network—An alternative to the Utility Network

Austin Braget—City of West Fargo

*A case study of moving an existing geometric network of utility data to the ArcGIS Trace Network while highlighting the issues encountered during the conversion process. Highlighted issues include geodatabase ownership, trace network ownership, and asset management integration.*

## General Session Presentations – Friday April 5

### Business Meeting

MWEUUG Committee

*We look to the users to provide direction for next year's conference. What should we change or better improve upon? What are your likes and dislikes about the conference. What topics do you want to hear presented on? We will also show you the ArcGIS Ideas page and how we can be an influence on the direction of Esri's development team. Announce next year's venue and host utility.*

### Utility Presentations

**GS Showcase—bring your own device and show us what you're doing with GIS:  
ArcGIS Field Maps, Survey 123, Workforce, Operations Dashboard...Lightning Talks**

*Quick ten-minute presentations showcasing your digital masterpiece. Bring your favorite device and showcase how you are using Collector, Explorer, Survey 123, or Operations Dashboard. No device. No problem. We will have laptops for you to display your application. If you are interested please contact MWEUUG Committee Members.*

**ArcGIS Pro—project creation, mxd import, editing, geoprocessing, layouts, symbology & labeling, and more!**

### Utility Round-table

- Tell us what you are doing with GIS
- What are your pain points?
- What are your successes?

## Conference Surveys

Use this link <https://arcg.is/1WfCfn> or the QR Code Below to access the conference surveys.

