

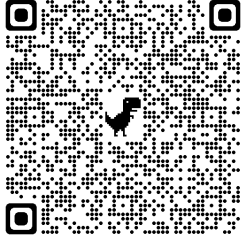
22nd Annual Midwest Esri Utility User Group Conference



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



Digital Agenda



- Hosted By -



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

Wednesday, April 3, 2024

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)

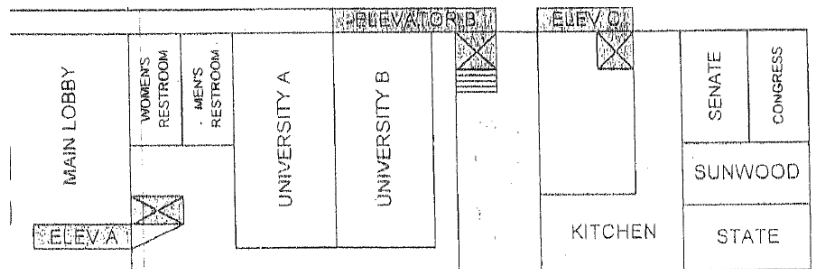
11:30 am - 4:30 pm	Exhibits Open	Registration
12:00 pm - 5:00 pm		Sponsor Presentations
12:30 pm - 1:05 pm		TBD
1:05 pm - 1:40 pm		TBD
1:40 pm - 2:15 pm		POWER Engineers—Bill Hoisington & Joe Paniccia
2:15 pm - 2:30 pm		Afternoon Break
2:30 pm - 3:05 pm		Fenux Labs - Gregg Noland
3:05 pm - 3:40pm		Frontier Precision—Dan Braun & David Siddle
3:40 pm - 4:15pm		Power System Engineering, Inc.—Logan Suhr & Tyler Caulum
4:15 pm - 4:50 pm		WSB—Alex Johnson & Justin Hansen
5:00 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 or James Huffman at jhuffman@riverlandenergy.com

For additional information please visit the conference website at www.mweuug.com or by joining the MWEUUG LinkedIn group at <https://www.linkedin.com/groups/4233259/>



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	
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	GIS use @ Lake Region Electric Coop 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	Gas GPS and GIS Workflows (Trimble GPS, Barcode Scanner, Gas ArcGIS Utility Network) Tyler Grupa - OPU	
5:00 pm - 5:30 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	<p>GIS Showcase—bring your own device and show us what you’re doing with GIS</p> <p>ArcGIS Pro—project creation, mxd import, editing, geoprocessing, layouts, symbology & labeling, and more!</p> <p>Utility Round-table</p> <ul style="list-style-type: none"> • Tell us what you are doing with GIS • What are your pain points? • What are you GIS successes?
11:45 am	Adjourn

Vendor Presentations – Wednesday April 3

POWER Engineers - Bill Hoisington & Joe Paniccia

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.

FenuxLabs - 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

Power System Engineering, Inc—Logan Suhr & Tyler Caulum

Modern Approaches to Leveraging GIS for Asset Lifecycle

WSB—Alex Johnson & Justin Hansen

The Right Tools for the Right Utility



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.

GIS use @ Lake Region Electric Coop

Randy Pitura—LREC

Beginner Breakout Sessions - Continued

When to Reach Out for Help
Jessie Lloyd—Fairmont Public Utilities

Gas GPS and GIS Workflows (Trimble GPS, Barcode Scanner, Gas ArcGIS Utility Network)
Tyler Grupa—OPU

Lead Service Line Inventory
Curtis Webb—Austin Utilities

Intermediate and Advanced Breakout Sessions

Enterprise Security
James Huffman—Riverland Energy & Jeff Grussing—GRE

ArcGIS Online—Sharing services with outside entities
Maegan Caouette—GRE

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 Tract 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.

