

# eGIS Steering Committee

## Meeting Minutes

December 18<sup>th</sup>, 2025

10:30am – 11:35am

Facilitator – Jamie Munro, GIS Manager

### In Attendance

#### Committee Members

Mike Twitty – Chair – Pinellas County Property Appraiser  
Jason Malpass – Vice Chair - Pinellas County Sheriff's Office  
Marc Gillette – Supervisor of Elections  
Tom Almonte – Assistant County Administrator  
Robert Mills – Office of Resiliency and Asset Management

#### Attendees – Internal

Steven Alston – ORAM	Smita Ambadi – Housing/Community Development
Emilly Baechle – Parks	Thuyen Buendia – Business Technology Services/EGIS
Carolyn Cheatham Rhodes – Public Works	Jason Clemis – Business Technology Services/EGIS
Marcia Colby – Public Works	Renee Duffey – Emergency Management
Jim Fogarty – Safety and Emergency Services	Joe Goodell – Pinellas County Sheriff's Office
Michael Howsare – Building/Development Review	Belinda Huggins – Business Technology Services
Samantha Mendenhall – Pinellas County Sheriff's Office	Dayne Morris – Building/Development Review
Jamie Munro – Business Technology Services/EGIS	Curt Nielsen – Property Appraiser's Office
Gregg Obarski – Business Technology Services/EGIS	Kevin O'Hara – Supervisor of Elections
Jared Phillips – Public Works	Eric Pieniak – Utilities
Morgan Pyle – Safety and Emergency Services/911	Allison Reinbolt – Business Technology Services/EGIS
Jared Ritch – Solid Waste	Jeff Rohrs – Business Technology Services
Ben Rothermel – Public Works	Oladapo Satiregun – Business Technology Services/EGIS
Alan Shellhorn – Housing/Community Development	Toni Smith – Business Technology Services/EGIS
Nicole Sokolowski – Supervisor of Elections	Jacob Stephen – Safety and Emergency Services/911
Scott Stillwell – Public Works	Bryan Zumwalt – Business Technology Services

#### Attendees – External

Abbie Poag – City of Largo

## Agenda

1. Call to Order
2. Welcome and Introductions
3. Citizens to be Heard
4. Approval of Minutes from the October 2<sup>nd</sup>, 2025, meeting
5. GIS Project
6. Road Map Ahead
  - a. \$500K FDEM Data Analytics Grant
  - b. Short/Long Term Activities
7. Open Discussion
8. Upcoming Meetings
9. Adjournment

### Call to Order

The meeting was called to order at 10:30am by Mike Twitty, mentioning that this is the 2<sup>nd</sup> meeting for the year and that there are 4 of the 5 committee members at the meeting so there is a quorum if needed.

### Welcome and Introductions

No new introductions were needed.

### Citizens to be Heard

No citizens were in attendance.

### Approval of Minutes

There were some minor corrections done to the minutes distributed and they were corrected before this meeting. Mike Twitty showed those and then asked for motion to approve the minutes for the October 2<sup>nd</sup>, 2025, meeting.

Motion to approve Marc Gillette and seconded Robert Mills, all in favor. Minutes approved.

### GIS Projects

Jamie Munro began the discussion with the slide from the October meeting highlighting the active projects, such as WebApp Builder Application Migration and Know Your Zone, along with proposed projects such as Forerunner and 3GIS Upgrade.

### Road Map Ahead

#### \$500K FDEM Data Analytics Grant

Jamie Munro began the discussion by stating that there currently isn't an action plan for this Florida Division of Emergency Management (FEDM) grant. The grant is to expand the deployment of a data analytics software platform that will help improve hurricane preparedness, response and recovery efforts and is for Manatee, Pinellas, Pasco, Hillsborough, Hernando and Citrus counties from July 1, 2025, to June 30, 2026.

For the \$500,000 grant, Pinellas County proposed projects that leveraged the ESRI platform. The State informed the County that the grant was not intended for the ESRI platform only for the Peregrine platform. Then, as of late last week, the State indicated it was planning to receive “bids” before making a platform decision.

The 4 projects that Pinellas County proposed to FDEM for the grant are:

**Flood Forecasting using ESRI platform** – The consultant will update the current Countywide model, in both Stormwise and ESRI formats, to incorporate watershed management plan and stormwater master plan models completed/updated since this tool was originally created. Additionally, the consultant will run storm scenario simulations on the updated model to show current flood conditions under those scenarios. Once the model is updated and the new storm scenarios are run, the consultant will use this model to determine flood depths, extents, durations, and other site-specific conditions to develop guidelines for operations and public notifications based on water elevation. This will update our current GIS based flood forecasting data/tools and real-time flood forecasting work.

**Forerunner (Substantial Damage Workflows)** – The Forerunner Software platform is already used by FDEM and multiple municipalities within Pinellas County. To improve our Substantial Damage recovery efforts, Pinellas County is looking to implement Forerunner software and improve Esri GIS workflows. Forerunner will bridge the gap and directly integrate our Esri Damage Assessment workflows and the Esri GIS based workflows in Accella that support building permitting and code enforcement. Forerunner will perform the FEMA SDE calculations, manage the citizen notifications, streamline the Substantial Damage inspection process, and provide more timely recovery information to the County and the impacted citizens.

**Watch Center & ArcGIS Velocity for Dashboard and Notifications** – Pinellas County is looking to implement the Esri Watch Center software. The Esri Watch Center software is already used by FDEM to improve real-time situational awareness and monitoring. Pinellas plans to leverage this similar alert functionality AND expand the software to address local needs such as stream and tidal gauges to provide faster notifications to decision makers based on advanced monitoring of real-time information.

**ArcGIS Excalibur for Drone Video** - During hurricane Helen and Milton, the County developed an Esri website for viewing pictures and videos captured by many partner agencies, citizens, and the County. All this data was assembled in one easy to access Esri website. For the drone videos, they needed to be uploaded to an external video server service (YouTube & Vimeo). However, there were so many videos being uploaded, that at one point during the recovery effort, YouTube locked the County account for 24 hours. This became challenging because we were unable to publish the drone videos as fast as they were being delivered. The County is looking to implement Esri Excalibur, an onsite video server that is integrated with the Esri platform and provides users with the ability to spatially interact with videos using a map. As the video plays, it dynamically updates the map to show the area of interest. Not just a point on the map, the area behind, besides, or at whatever angle the camera was pointing at as the drone captured the video. Implementing Esri Excalibur will eliminate the video processing bottlenecks that delayed stakeholders’ ability to access the data and provide better data tools for decision makers to allocate resources for recovery efforts.

### Short/Long Term Activities - Web Applications

EGIS is currently working on migrating applications to the new application platforms, which also helps support ADA compliance coming in April of 2026. Longer term, we are looking into UI/UX enhancements and possibly updating our URL's, especially for public facing sites. EGIS engages ESRI Professional Services to leverage additional subject matter experts on these activities.

### Short/Long Term Activities - Azure Hybrid Cloud

To better support our customers, BTS is modernizing the infrastructure to shift to the cloud, which can enable faster innovation and better scaling. We are in the planning stages and some of the over 150 GIS servers could start moving to the cloud starting as early as April 2026.

### Short/Long Term Activities - Data Maintenance

Branch versioning is the next step for the 30-40 GIS users that edit data in the database. This is a service-oriented architecture which will provide better performance for the user. Property Appraiser and Safety and Emergency Services/911 are already using this type of versioning. There were questions about being able to access virtual desktops and the response was that the County was beginning to roll these out, but GIS users are a bit different in what they will need, so BTS is working on it. Mike Twitty brought up workflow challenges the PAO experiences when remotely connecting to prem workstations to perform GIS work.

### Short/Long Term Activities - Data Sharing

With more municipalities and agencies having their own ArcGIS Online organizations, EGIS is beginning to set up Partner Collaborations. This will enable the municipalities/agencies to have access to our data in our organization as well as share their data with our organization. This eliminates the effort of making copies of data that eventually becomes static and outdated.

Jim Fogarty mentioned that Safety and Emergency Services is implementing Peregrine platform which connects law enforcement data streams and will soon connect 911 Fire and EMS data streams. PRIME currently implemented Peregrine.

Eric Pieniak mentioned that there may be a need for a liaison/coordinator role to work with the municipalities and agencies to gain access to their data. Renee Duffey responded that the coordination is already being done, and she has been handling much of the outreach. This is all part of the ArcGIS Online Partnered Collaboration effort currently underway.

### Short/Long Term Activities - Data Transformations

Currently EGIS uses Feature Manipulation Engine (FME) to perform specific data gymnastics for spatial queries. There is a new server FME available called FME Flow on which we will be migrating to.

### Short/Long Term Activities - Microsoft 365

There is an interest within the County in being able to incorporate some Microsoft desktop applications, such as Excel, Teams, PowerPoint, SharePoint and PowerPlatform with ArcGIS. EGIS is planning more Microsoft engagement in the near term.

### Short/Long Term Activities - Utility Network

Conversations are continuing with Utilities on moving their data to the Utility Network. A readiness assessment was completed by ESRI years ago and since then Utilities has begun cleaning their data in preparation for Utility Network. This can then be integrated with other systems. Jim Fogarty mentioned it would be beneficial to

Emergency services to be able to have water flow and pressure metrics outage layer that could be utilized by Safety and Emergency Services and Emergency Management during events.

#### Short/Long Term Activities – CCTV

Public Works is looking into GraniteNet for their CCTV data. Currently Utilities already use GraniteNet. Integrations between GraniteNet and the County Asset Management software already exist too.

#### Short/Long Term Activities - Questions

AI was also mentioned where more stuff will be coming on how this can be utilized with building scripts and analyzing data patterns.

Emilly Baechle asked about the File Data migration from BTS that is currently happening and how that impacts GIS files for the departments. Jamie answered the question for right now GIS files, such as shapefiles, file geodatabase and projects, should remain on the drives. BTS project team is aware of this. Currently OneDrive doesn't fully support ESRI files, but ESRI is working on this. Scott Stillwell says he does use One Drive to access projects but just for processing, not a space for storage.

### Open Discussion

A slide was shown of the upcoming Conference Events. The first being the ESRI Developer Summit in March where Jason Clemis, from the eGIS team, will be presenting how we are moving our database layers up to ArcGIS Online and keeping them current. The registration for the ESRI User conference in July is now open and those that requested complimentary passes have been sent the information. The ESRI Southeast User Conference will be in Atlanta, but the dates are still to be determined. Once the information becomes available those who requested complimentary passes will be notified.

Jason Malpass announced he is still the IT Director at the Pinellas County Sheriff's Office, and he has recently taken on additional responsibility as interim director of PRIME. He mentioned there have been concerns related to the Hexagon implementation project. The PRIME Technology Committee may engage GIS stakeholders as they investigate some of the Hexagon project concerns. More information may be available at the next meeting.

Mike Twitty asked about the status of the terrestrial LiDAR and the validation effort with Survey. Jared Phillips responded that he did not have an update. Jamie also mentioned that he has not heard what the status was with Asset Management and Survey but will follow up. Mike mentioned that the 1<sup>st</sup> floor data is very important for the hurricane season.

### Upcoming Meetings

A slide was shown on the upcoming meetings. It was voted upon by the committee members that the March 5<sup>th</sup>, 2026, meeting be held in person. Invites for 2026 meetings will be sent in the next few weeks.

### Adjournment

Mike Twitty wanted to thank the EGIS team as well as the committee members and those attending these meetings. He went on to say that this is something special that Pinellas County has where we can meet to share common effort and focus on GIS. Jamie continued with a thank you for the leadership. Meeting adjourned at 11:35am.

# PowerPoint Presentation

## Pinellas County Enterprise GIS

GIS Steering Committee Meeting  
December 2025



### Agenda

- Call to Order
- Welcome & Introductions
- Citizens to be Heard
- Approval of minutes from the October 2, 2025 Meeting
- GIS Projects
  - Road Map Ahead
    - FDEM Data Analytics Grant
    - Short/Long Term Activities
  - Open Discussion
  - Upcoming Meetings
  - Adjournment



### GIS Projects

- Active GIS Projects
  - PCSO Infrastructure
  - Know Your Zone 2025 Enhancements
  - WebApp Builder Application Migration
  - Clearwater GIS Infrastructure
  - Cityworks Online
- Proposed Projects
  - Shared Municipal Data Viewer Updates
  - Forerunner Implementation (Substantial Damage)
  - 3GIS Upgrade (Fiber Map/Analysis Tool)




### Road Ahead - \$500K FDEM Data Analytics Grant

- **Who:** Florida Division of Emergency Management (FDEM)
- **What:** FDEM will be provided with \$3,000,000 in non-recurring general revenue funding to expand the deployment of a data analytics software platform designed to improve hurricane preparedness, response, and recovery efforts. By integrating critical public safety and emergency management data, the platform is intended to provide real-time, accurate, and consolidated information that enables faster and more informed decision-making. This will help emergency managers, first responders, and local leaders anticipate needs, allocate resources more effectively, and streamline disaster operations.
- **Where:** Manatee, Pinellas, Pasco, Hillsborough, Hernando, and Citrus counties
- **When:** July 1, 2025 to June 30, 2026



### \$500K FDEM Data Analytics Grant

**Pinellas Contribution: \$25,000**  
**FDEM Contribution: Possible \$500,000**

**Four projects to enhance our GIS platform have been proposed to FDEM:**

1. Flood Forecasting using Esri platform
2. Forerunner (Substantial Damage Workflows)
3. Watch Center & ArcGIS Velocity for Dashboard and Notifications
4. ArcGIS Excalibur for Drone Video



### 1. Flood Forecasting using Esri platform

The consultant will update the current Countywide model, in both Stormwise and ESRI formats, to incorporate watershed management plan and stormwater master plan models completed/updated since this tool was originally created. Additionally, the consultant will run storm scenario simulations on the updated model to show current flood conditions under those scenarios. Once the model is updated and the new storm scenarios are run, the consultant will use this model to determine flood depths, extents, durations, and other site-specific conditions to develop guidelines for operations and public notifications based on water elevation. This will update our current GIS based flood forecasting data/tools and real-time flood forecasting work.



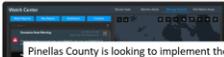
### 2. Forerunner (Substantial Damage Workflows)



The Forerunner Software platform is already used by FDEM and multiple municipalities within Pinellas County. In an effort to improve our Substantial Damage recovery efforts, Pinellas County is looking to implement Forerunner software and improve Esri GIS workflows. Forerunner will bridge the gap and directly integrate our Esri Damage Assessment workflows and the Esri GIS based workflows in Accella that support building permitting and code enforcement. Forerunner will perform the FEMA SDE calculations, manage the citizen notifications, streamline the Substantial Damage inspection process, and provide more timely recovery information to the County and the impacted citizens.




### 3. Watch Center & ArcGIS Velocity for Dashboard and Notifications



Pinellas County is looking to implement the Esri Watch Center software. The Esri Watch Center software is already used by FDEM to improve real-time situational awareness and monitoring. Pinellas plans to leverage this similar alert functionality AND expand the software to address local needs such as stream and tidal gauges to provide faster notifications to decision makers based on advanced monitoring of real-time information.




## 4. ArcGIS Excalibur for Drone Video



During hurricane Helen and Milton, the County developed an Esri website for viewing pictures and videos captured by many partner agencies, citizens, and the County. All this data was assembled in one easy to access Esri website. For the drone videos, they needed to be uploaded to an external video server service (YouTube & Vimeo). However, there were so many videos being uploaded, that at one point during the recovery effort, YouTube locked the County account for 24 hours. This became challenging because we were unable to publish the drone videos as fast as they were being delivered. The County is looking to implement Esri Excalibur, an on-site video server that is integrated with the Esri platform and provides users the ability to spatially interact with videos using a map. As the video plays, it dynamically updates the map to show the area of interest. Not just a point on the map, the area covered behind, beside or at whatever angle the camera was pointing as the drone captured the video. Implementing Esri Excalibur will eliminate the video processing bottlenecks that delayed stakeholders' ability to access the data and provides better data tools for decision makers to allocate resources for recovery efforts.



## Reengineering Pinellas GIS

- User Licenses
- Data Access
- Relationships and Data Sharing
- Application Delivery
- Desktop Delivery
- Server Infrastructure



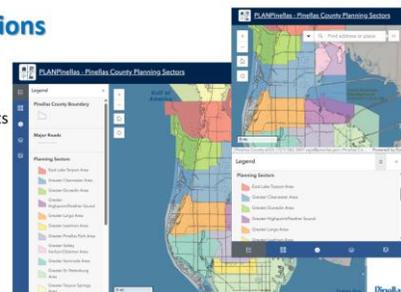
## Short/Long Term Activities

- Web Applications
- Azure Hybrid Cloud
- Data Maintenance
- Data Sharing
- Data Transformations
- Microsoft 365
- Utility Network
- CCTV



## Web Applications

- New App Platform
- ADA Improvements
- UI/UX Enhancements
- Updates URLs



## Infrastructure – Azure Hybrid Cloud

Hybrid cloud refers to a technology approach that combines both on-premises infrastructure (like servers we manage ourselves) and public cloud services (like Microsoft Azure). This gives us the flexibility to run workloads where they make the most sense — whether for performance, security, or cost — while enabling faster innovation and scalability.



To better support our customers and drive operational efficiency, BTS is modernizing its infrastructure through a strategic shift to hybrid cloud.

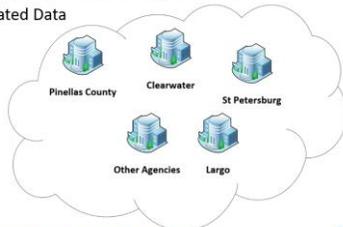
## Data Maintenance – Branch Versioning

- Leverage Data Validation Tools
- Faster Performance
- Service Oriented Architecture



## Data Sharing – Esri Partner Collaborations

- Data sharing with Municipalities and other Organizations
- Sharing Live Data / Updated Data
- Native Data Access



## Data Transformations – Safe Software FME

- Feature Manipulation Engine (FME)
- Migration from Desktop to Server (FME Flow)



## Microsoft

- BI/Microsoft Fabric
- Microsoft Desktop Applications
  - Excel
  - Teams
  - PowerPoint
  - SharePoint
  - PowerPlatform



## Utilities – Utility Network

- Improved Data Quality
- Improved Data Analysis
- Better aligns data with industry tools



### Advanced network modeling

Model your entire network. This includes high-end 3D-visuals, the ability to view inside complex assemblies of devices and lines, and management of how assets are connected within them.

### Visualize and analyze

Advanced analytics and reporting capabilities make it possible to aggregate and report dynamically based on event conditions. This provides accurate and timely reporting for both current, historic, and future states.

### Take your network anywhere

Connect your organization across desktop, mobile, and web environments. Provide role-based, secure access to your users to streamline communication and collaboration for managing your network.

## Public Works – GraniteNet CCTV

- Already used by Pinellas County Utilities
- Integration setup with County Asset Management Software



## Short/Long Term Activities

- Web Applications
- Azure Hybrid Cloud
- Data Maintenance
- Data Sharing
- Data Transformations
- Microsoft 365
- Utility Network
- CCTV



## Open Discussion - Upcoming Conference Events

- **Cityworks-Innovate-User Conference**
  - October 14–17, Salt Lake City, UT
- **Esri-Planning Directors Summit**
  - October 27–28, 2025, West Palm Beach, FL
- **Esri-Infrastructure Management & GIS Conference**
  - October 28–30, 2025, Palm Springs, CA
- **Esri Developer Summit**
  - March 10–13, 2026, Palm Springs, CA
- **Esri Southeast User Conference**
  - April TBD, Location TBD
  - 10 Complimentary Passes
- **Esri Safety & Security Summit**
  - July 11–15, 2026, San Diego, CA
- **Esri User Conference**
  - July 13–17, 2026, San Diego, CA
  - 25 Complimentary Passes



## Open Discussion



## Next Meetings



### Working Group Meetings:

- September 25, 2025
- October 30, 2025
- ~~November 27, 2025 (Canceled)~~
- ~~December 25, 2025 (Canceled)~~
- January 29, 2026
- February 26, 2026

### Steering Committee Meetings:

- December 18, 2025 (Re-Scheduled)
- March 5, 2026
- June 4, 2026