

GIS Member Updates
March 2022



About Us

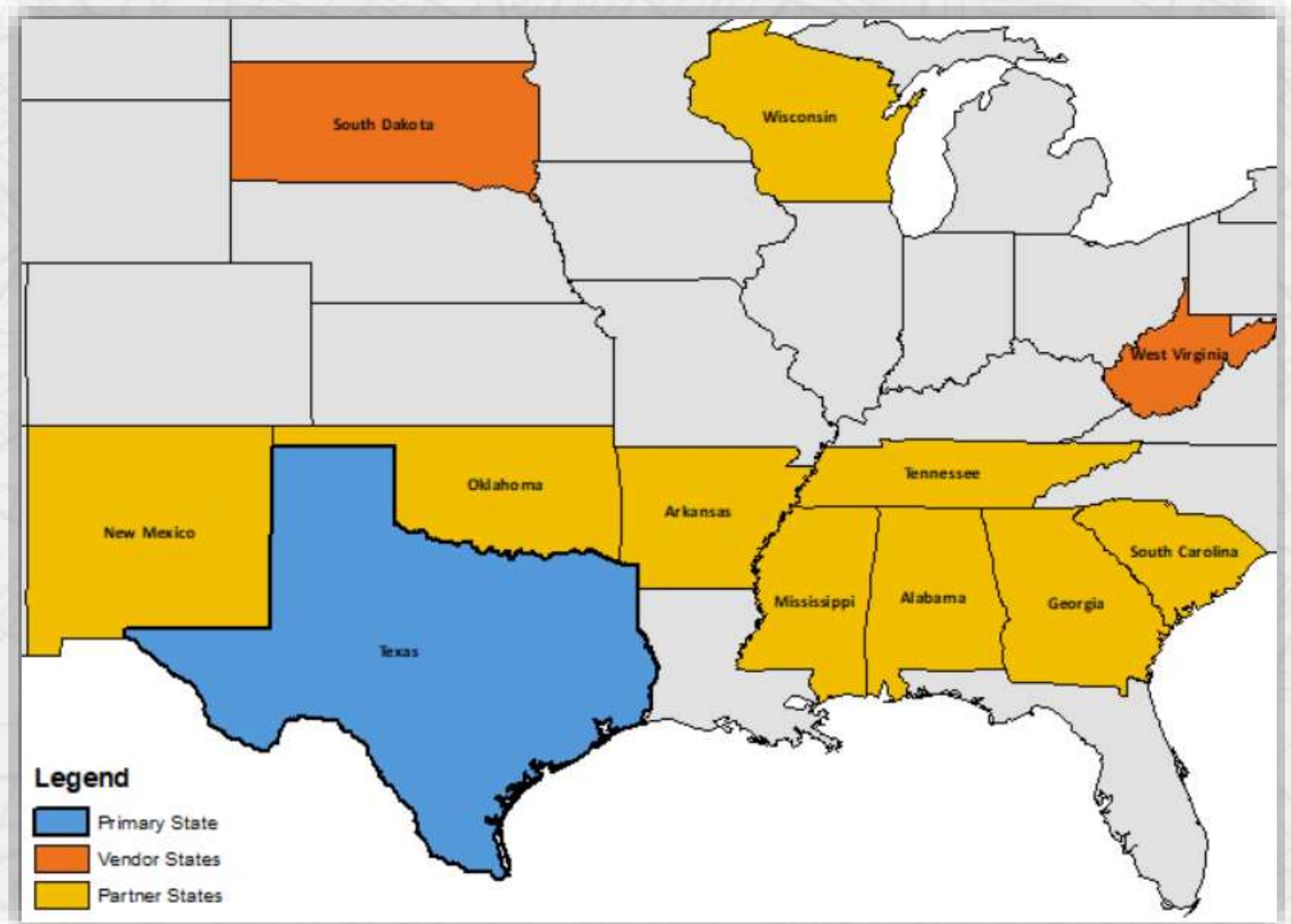
- Our Mission is to facilitate damage prevention, promote public safety and protect the environment through stakeholder education and communication.
- Texas811 serves as the link between excavators and utility providers and provides a ticketing and notification system that alerts utility companies when underground work will occur which may put their facilities at risk. Our goal is to prevent unintended consequences from digging into an underground utility such as injury, damage to property and service outages.
- Founded in 1984, the non-profit Texas811 is the largest one-call contact notification center in the country with more than 2,000 members.
- Texas811 members are utility companies and municipalities who choose Texas811 to provide them notifications of planned excavations near their underground lines.
- To educate excavators, emergency responders and the public, Texas811 hosts damage prevention educational events; an annual Summit and training sessions. Texas811 manages the largest Facebook page of any state one-call organization in the country, which helps educate the general public about underground safety.

Texas

South Dakota

West Virginia

811 Partner States



Texas811 Member Services

Service Area Editor (SAE)

Interactive Ticket Link

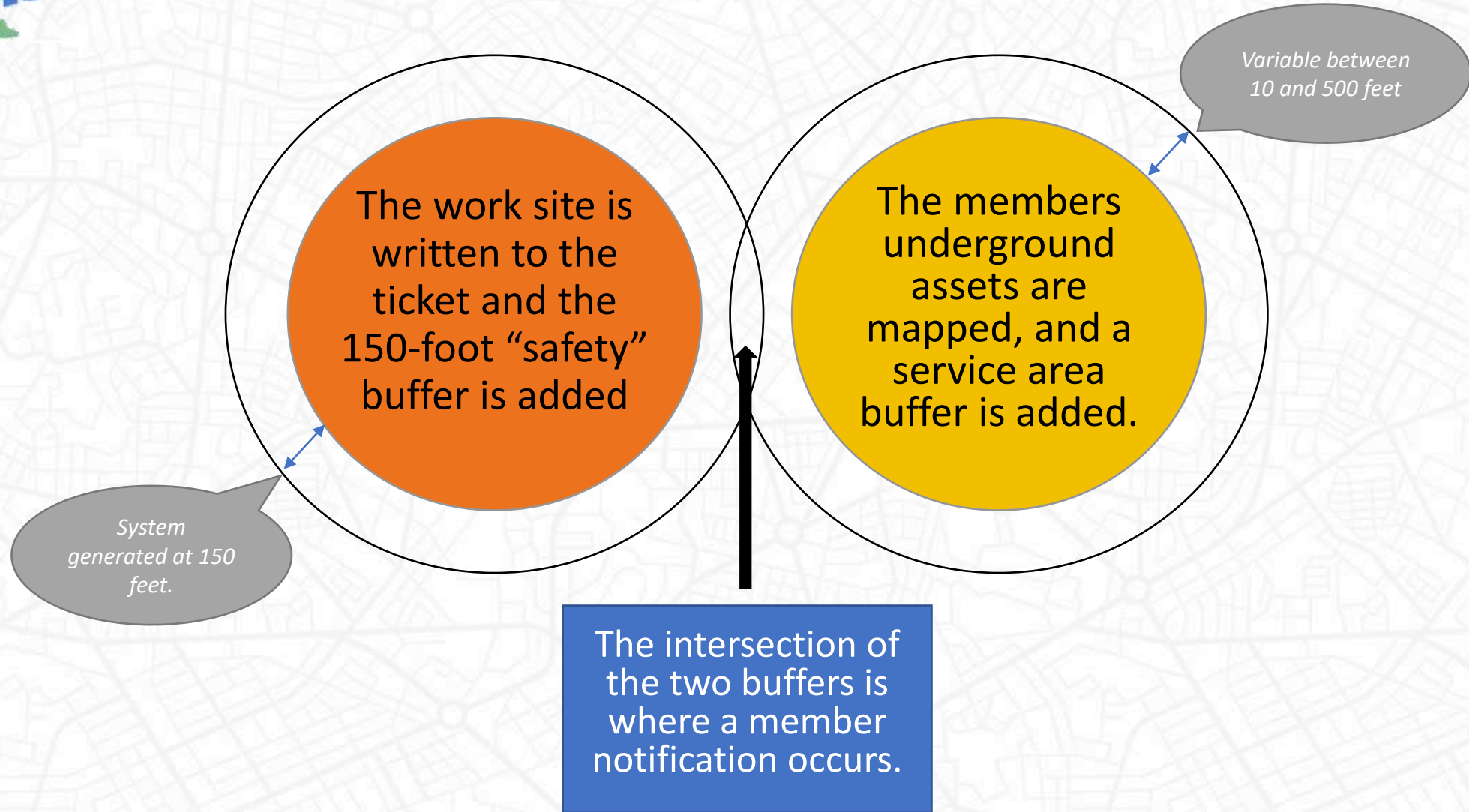
Member Portal

Customized Solutions

- Predictive Analytics, Secondary Research, & Update Filtering



Member Notifications





Service Area Buffers

What is a Service Area Buffer and what are the rules?



To create a buffer, a measurement is used to extend the area all the way around a feature. A 10-foot buffer around a line feature will create a 20-foot area with 10 feet on each side of the line.



Texas811 requires all service areas to be recorded as polygon data. If your assets are mapped as polygons, then no additional buffer is needed or is applied by Texas811 staff by default. You can still request one if you prefer.

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If the data submitted is in line or point format, a buffer is required. The minimum allowable buffer is 10 feet, and it can go as high as 500 feet.



Texas811 GIS Team

1997

Christy Smith
GIS Technician II

2001

Erika Hernandez
GIS Technician I

2005

Jocelyn Hernandez
GIS Technician I

2020

Brooke Nettles
GIS Technician I

Sara Taylor
GIS Manager

2021

Stephanie Rosales
GIS Technician I

Taylor May
GIS Technician II



Our Current Process



Members submit mapping to the GIS Team via the electronic Member Mapping Submission Form



Service areas are developed based polygon data provided by the member or buffered assets



Service areas are reviewed and added to the Texas811 system, and a confirmation email is provided



Members confirm their mapping.



Data is added to the system on the next available live date.



If you need any help at any point in the process, please reach out to us.

Preferred Member Data Submission Formats

Google KMZ

Esri Shapefile

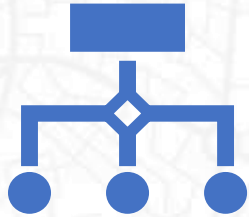
Esri File Geodatabase

GeoJSON

Please reach out to us to inquire about any additional file formats not listed here.



General File Submission Requirements



One Member Mapping Submission form per code per live date.

If you have multiple submissions of the same type and for the same live date, please combine them.

Separate files can be zipped and attached to the form.

Attachments are limited to 20MB in size.

If your files are routinely too large, please contact us to set up a dedicated SFTP.

Please do not combine GIS files or submission information for multiple codes.



All submission file types, regardless of format, have the following requirements:

Projection must be in WGS84 (aka GCS WGS 1984, EPSG: 4326, LL84)

The points, lines, polygons, or complete service area must be within the State of Texas

Files attached to the submission form or uploaded to the SFTP site must be zipped

Specific needs must be noted in the Additional Information field (ie “Please rename zip files to .piz”)

Member Mapping Submission Form

- <https://texas811.formstack.com/forms/txmappingsubmission>

Member Forms

- Extraordinary Circumstances Form**
I need to update our Member Receiving Sites.
- Apply to be a Texas811 Member**
I would like to become a Texas811 Member.
- Update Destination of Tickets**
I need to update our mapping coverage area within the Texas811 database.
- Locate Request Concern**
I have a concern about a specific locate request.
- Update Existing Member Mapping**
I need to update our mapping coverage area within the Texas811 database.
- The Portal**
I have a question about the Texas811 Portal.



Member Mapping Submission Form

This form is required and must be filled out completely with all mapping submissions. The information requested is vital in processing your submission correctly. If the form is not complete it will be returned for more information.

Company Name*

Name*

First Name Last Name

Email*

Required for fee date coordination



Member Mapping Submission Types

Adds - Adds should be applied when you only want to add new coverage to your 811 service areas. The mapping file may include individual additions or the entire code's coverage area. GIS staff will not delete data from your code's current coverage.

Deletes - Deletes should be applied when you only want to delete coverage from your 811 service areas. The mapping file you submit should include only those areas that you want to remove. If you need to remove an entire service area, please note "full code delete" under the additional information.

Full Replacement - For a Full Replacement, please submit a mapping file representing the entire area for which you want asset protection. Essentially you are swapping out what is currently registered and replacing it with this new file you have provided. A Full Replacement requires you to indicate a reason for deletions on the Member Mapping Submission Form, so if you do NOT intend to delete any coverage areas, please request Adds instead.

Asset Transfer - For an asset transfer, please submit a mapping file representing the entire area you intend to delete as a **Deletes** or a **Full Replacement** for which you want asset protection. In the reason for deletions please indicate the assets were **sold**. You'll need to provide the contact information for the purchaser. Texas811 staff will reach to you as appropriate.



Esri File Submission Requirements



Shapefiles

Shapefiles must be zipped and include the .shp (geometry), .shx (index), .dbf (tabular data), .prj (projection), at a minimum
Shapefiles cannot exceed 2 GB each.



File Geodatabases

File Geodatabases (.gdb) must be zipped at the gdb folder level.
File size cannot exceed 1TB
Personal Geodatabases (.mdb) are not accepted



GeoJSON File Submission Requirements

- GeoJSON is an open-source file format based in the JavaScript Object Notation format.
- The geometry must be OGC Valid (not just ESRI Valid).
- The file must contain geometries that are either a polygon or multipolygon format

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```

Questions?

- Sara Taylor, GISP – GIS Manager
sarataylor@texas811.org
Direct: 972-942-0106
- GIS Team
gismail@texas811.org
888-771-1877 Option 3

