

Developing Arizona Roads and Addresses

Leveraging Projects, Partnerships and
Best Practices to Meet the Needs of
Arizona

NSGIC 2015 Midyear
Annapolis, Maryland

Statewide Networks

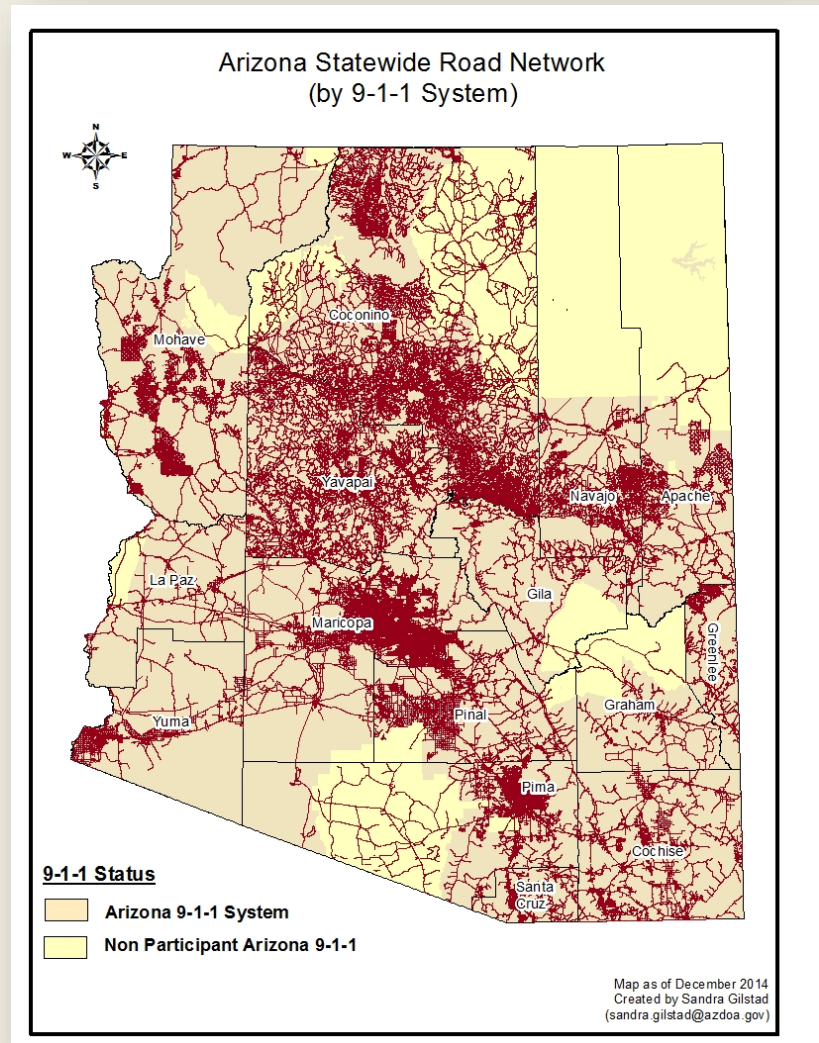
Leveraging Projects & Partnerships to Meet Arizona's Needs

- Arizona Broadband Mapping and Planning Project
 - NTIA State Broadband Initiative (SBI – Federal American Recovery and Rehabilitation Act – ARRA) (Federal)
 - Arizona obtained funding to complete roads and addresses for three counties and develop statewide database to improve geocoding of address data
- Arizona Department of Transportation (ADOT)
 - All Roads Network of Linear Referenced Data (ARNOLD) (Federal)
 - ADOT provided funding to complete road development.
- Arizona State Land and the Arizona Geographic Information Council (AGIC)
 - Arizona Geospatial Clearinghouse – AZGEO (State)
 - Committees support clearinghouse, data and application development/maintenance
- Arizona 9-1-1: Arizona 911 Program and 911 Systems
 - Completed road network and address point network for remaining 9-1-1 systems and assist with preparation for Next Generation 9-1-1 (Public)



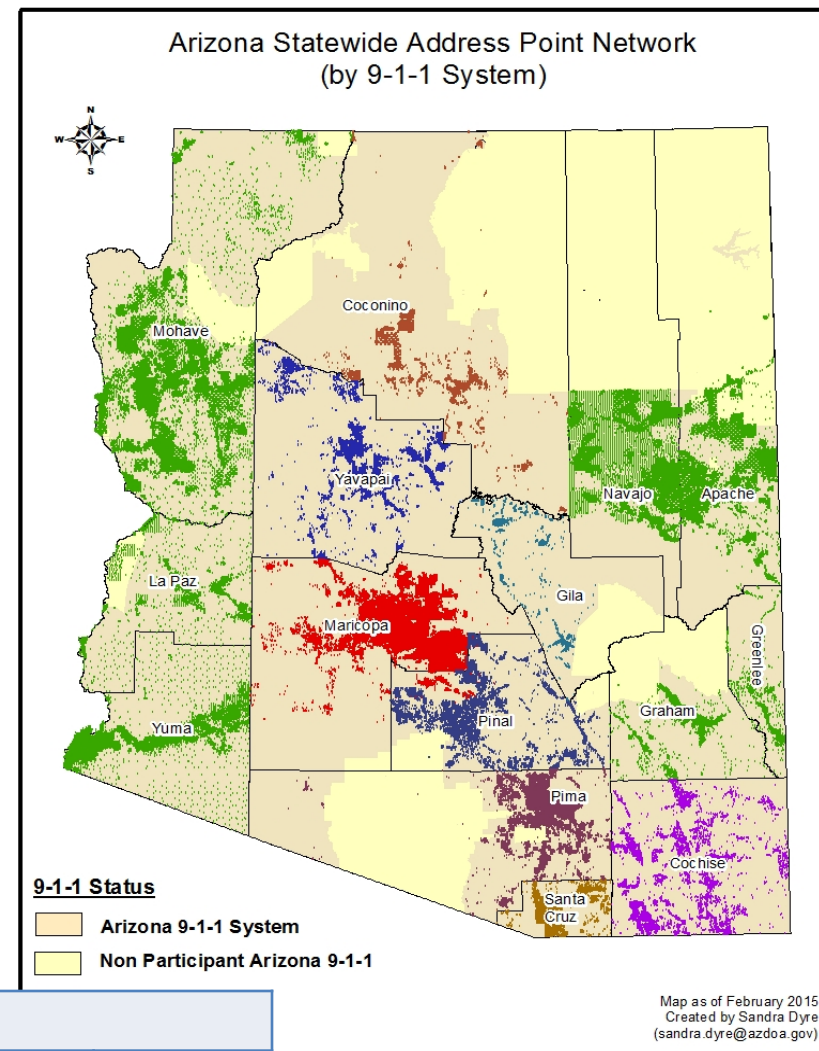
Arizona Road Network

- 9-1-1 provides public road data to ADOT which improves and completes road network to support 9-1-1
 - ✓ Today and Future
- For NG911, allows for QA/QC reporting and maintenance of road:
 - ✓ Gaps
 - ✓ Overlaps
 - ✓ Duplicates
 - ✓ Parity
 - ✓ Edgematching



Arizona Address Point Network

- Completion of address points to support 9-1-1
 - ✓ 477,643 total points
 - ✓ Today and Future
- Project Parameters
 - ✓ 6 week completion
 - ✓ Structure point placement
 - ✓ Focused on parcels 20,000 sq. ft. or larger with situs address
 - ✓ Utilized university student intern workforce

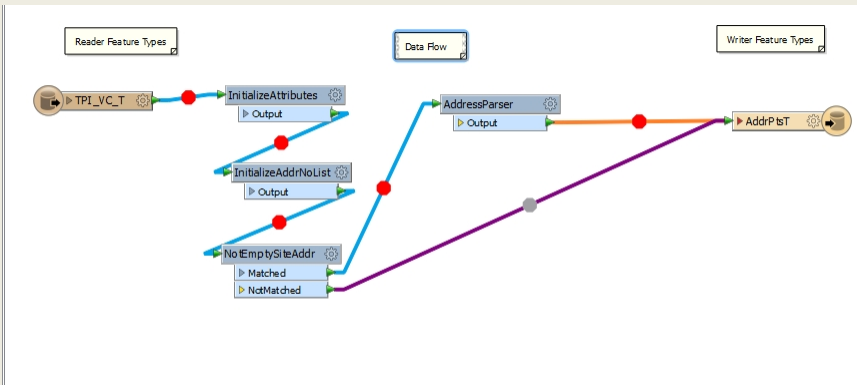
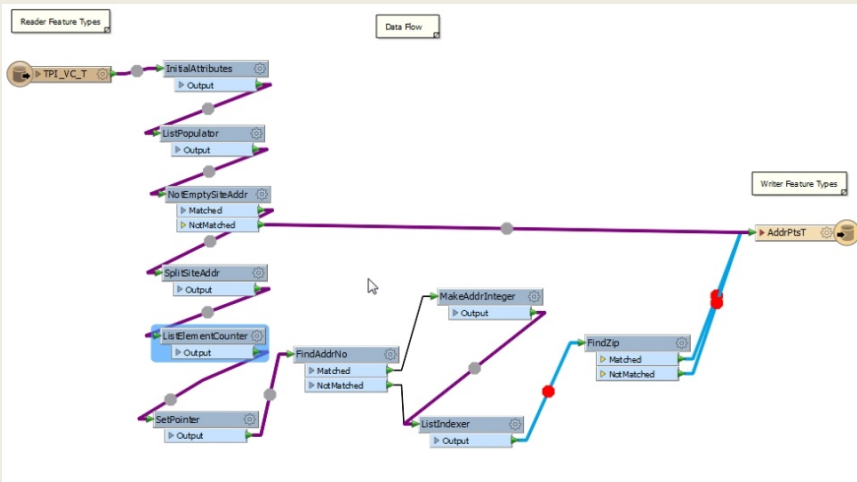


County Address Point Totals

Apache	Graham	Greenlee	La Paz	Mohave	Navajo	Yuma
58,446	10,759	4,880	16,147	262,787	95,392	29,232

Meeting the Needs: Sustainability

Spatial ETL



VGI Editing & Ticketing System

The screenshot shows the 'AZ E-911-2 Address Mapping Utility' interface. It features a map of a residential area with a grid of streets. On the right side, there is a 'Address Details' panel for '3432 E Lions St, Phoenix, AZ 85018'. Below the map, there is an 'Edit Address Details' form with various fields for address information. The 'Address' field is populated with '3432 E Lions St, Phoenix, AZ 85018'. The 'Prefix' field is 'Prefix', 'Address Number' is '4800', 'Suffix' is 'Suffix', 'Prefix Modifier' is 'Modifier', 'Full Directional Prefix' is 'Full Directional Prefix', 'Direction Prefix' is 'E', 'Address Prefix Type' is 'Address Prefix Type', 'Address Prefix Separator' is 'Address Prefix Separator', 'Street Name' is 'Indian School', 'Street Type' is 'Rd', 'Street Direction' is 'Street Direction', 'Direction Suffix' is 'Direction Suffix', 'Suffix Modifier' is 'Suffix Modifier', 'Alternate Name' is 'Alternate Name', 'Zipcode' is '85018', 'Building' is 'Building', 'Floor' is 'Floor', 'Unit' is 'Unit', 'Site Basis' is 'Site Basis', and 'Municipality' is 'Phoenix'. There are 'Cancel' and 'Save Changes' buttons at the bottom right.

NSGIC Suggestions?

Sustainability: Operations & Maintenance

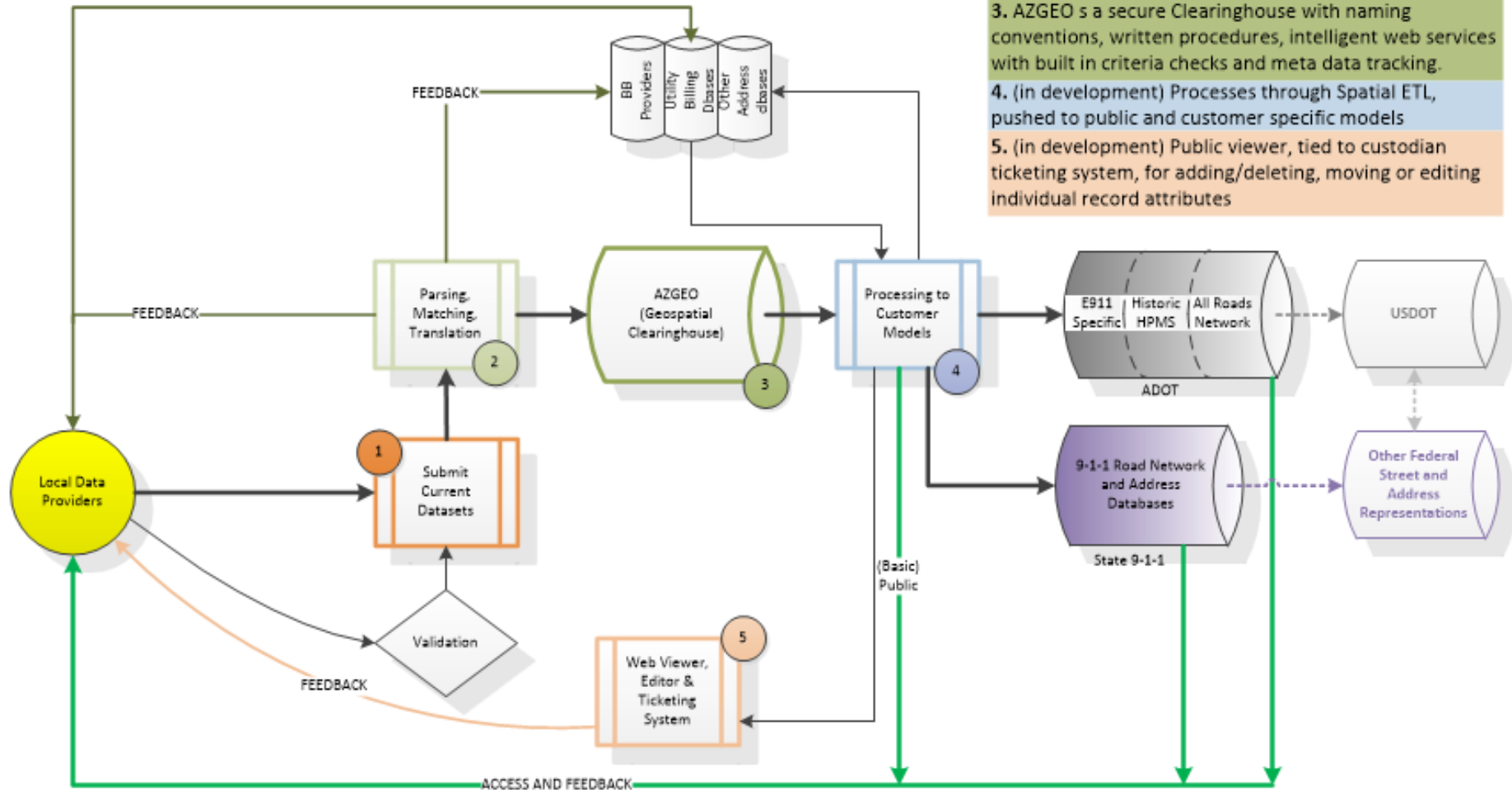
1. To obtain local agency participation, requires definition of the program (standards and target schema), refinement of program components, development of agreements among participating parties, on-going review and refinement of program.

2. Local data is run through a series of programs and procedures to quality check, using other databases (e.g. ALI, Broadband, utility and others) as available.

3. AZGEO is a secure Clearinghouse with naming conventions, written procedures, intelligent web services with built in criteria checks and meta data tracking.

4. (in development) Processes through Spatial ETL, pushed to public and customer specific models

5. (in development) Public viewer, tied to custodian ticketing system, for adding/deleting, moving or editing individual record attributes





- HOME
- ABOUT
- GROUPS
- MAP
- CONTRIBUTE
- CONTACT
- HELP

WHO USES AZGEO?

To name a few...



Who uses AZGEO?

- Controlled Access
- Standardized Metadata
- Subscribe to Data



1. Join Groups

Join AZGEO Groups (or start your own) to gain access to group documents, datasets, and services.



2. Download Data

Search for data in the **catalog** or use the **map viewer** to explore map services and extract data.



3. Give Back

Give back to the community by contributing your GIS data and metadata and sharing it with AZGEO groups.

Arizona State Land
<https://land.az.gov>

Arizona Geographic Information Council AGIC
<https://arcgis2.geo.az.gov/agic/welcome-agic>

AZGEO

<https://azgeo.az.gov>
 Clearinghouse to share
 data and applications



data & metadata



document sharing



security & access



web services



redundant hardware



software & databases

461

days since going live

1648

screened and approved users

306

different agencies and organizations

166

contributed services and datasets

21

organized and secure user-groups

19

services

147

datasets

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Thanks to NSGIC for Providing
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Questions?

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