# 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.

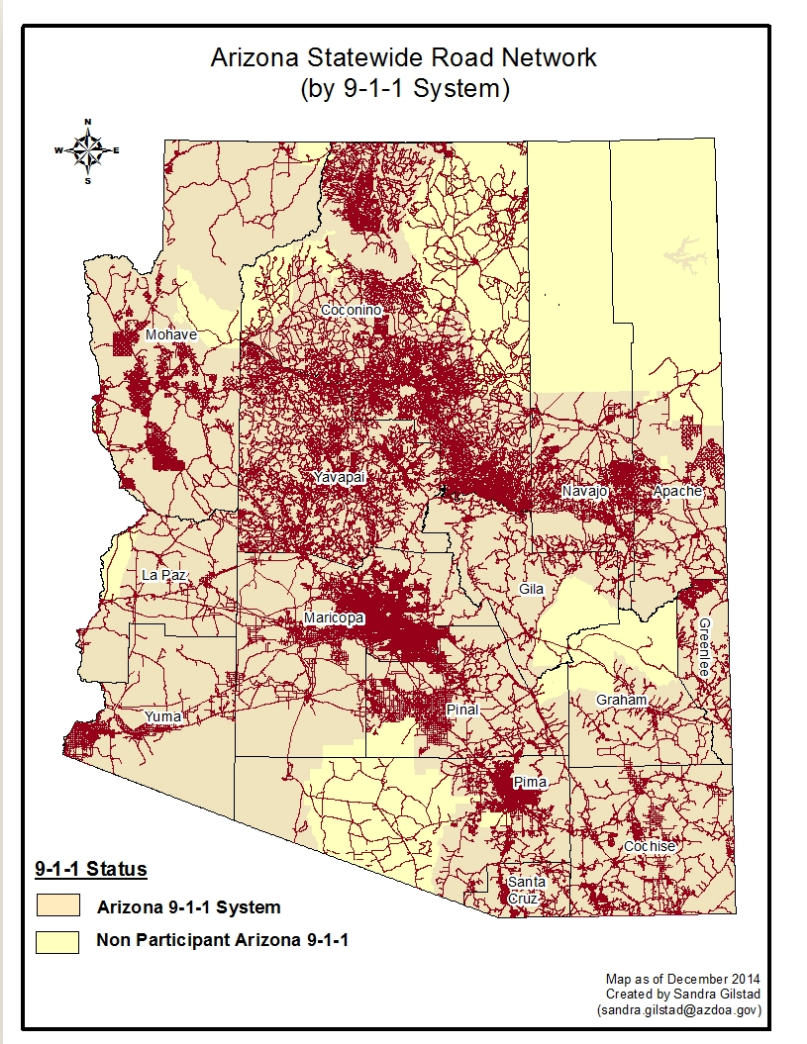
- Arizona State Land and the Arizona Geographic Information Council (AGIC)
  - Arizona Geospatial Clearinghouse – AZGEO (State)
  - Committees support clearinghouse, data and application development/maintenance

- 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

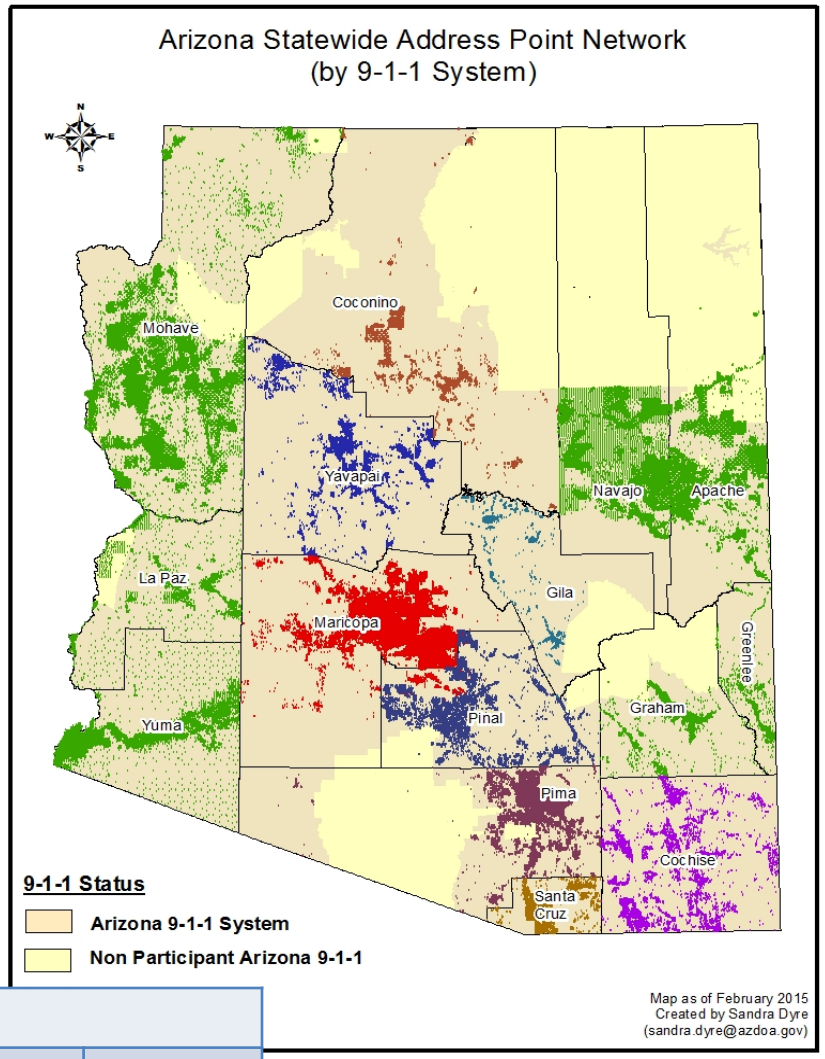
- 9-1-1 provides public road data to ADOT which improves and completes road network to support 9-1-1
  - ✓ Today and Future

- For NG911, allows for QA/QC reporting and maintenance of road:
  - ✓ Gaps
  - ✓ Overlaps
  - ✓ Duplicates
  - ✓ Parity
  - ✓ Edgematching



# Arizona Address Point Network

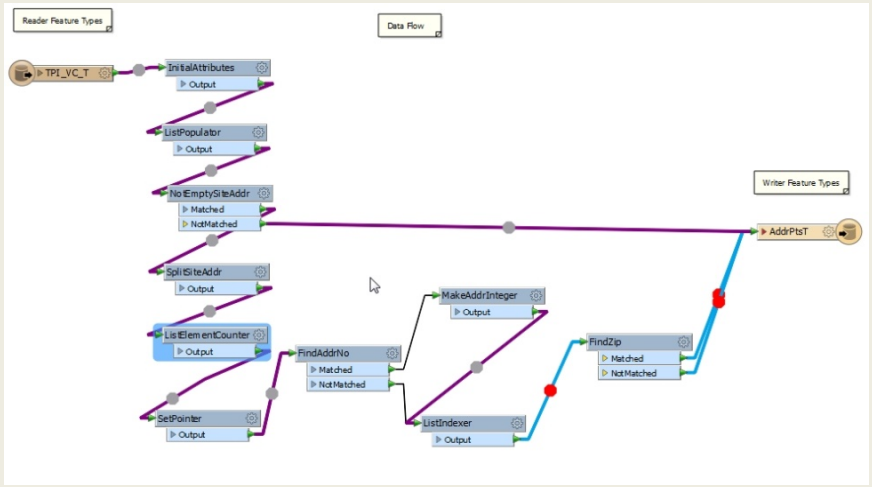
- Completion of address points to support 9-1-1
  - ✓ 477,643 total points
  - ✓ Today and Future
- Project Parameters
  - ✓ 6 week completion
  - ✓ Structure point placement
  - ✓ Focused on parcels 20,000 sq. ft. or larger with situs address
  - ✓ Utilized university student intern workforce

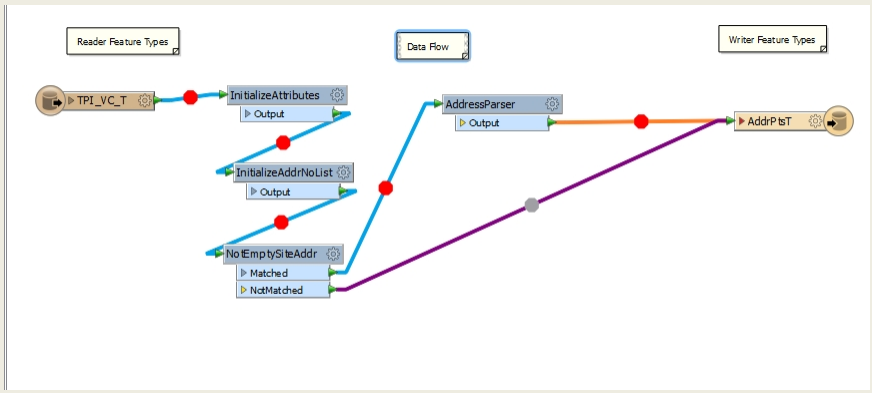



| County Address Point Totals | | | | | | |
|---|---|---|---|---|---|---|
| Apache | Graham | Greenlee | La Paz | Mohave | Navajo | Yuma |
| 58,446 | 10,759 | 4,880 | 16,147 | 262,787 | 95,392 | 29,232 |

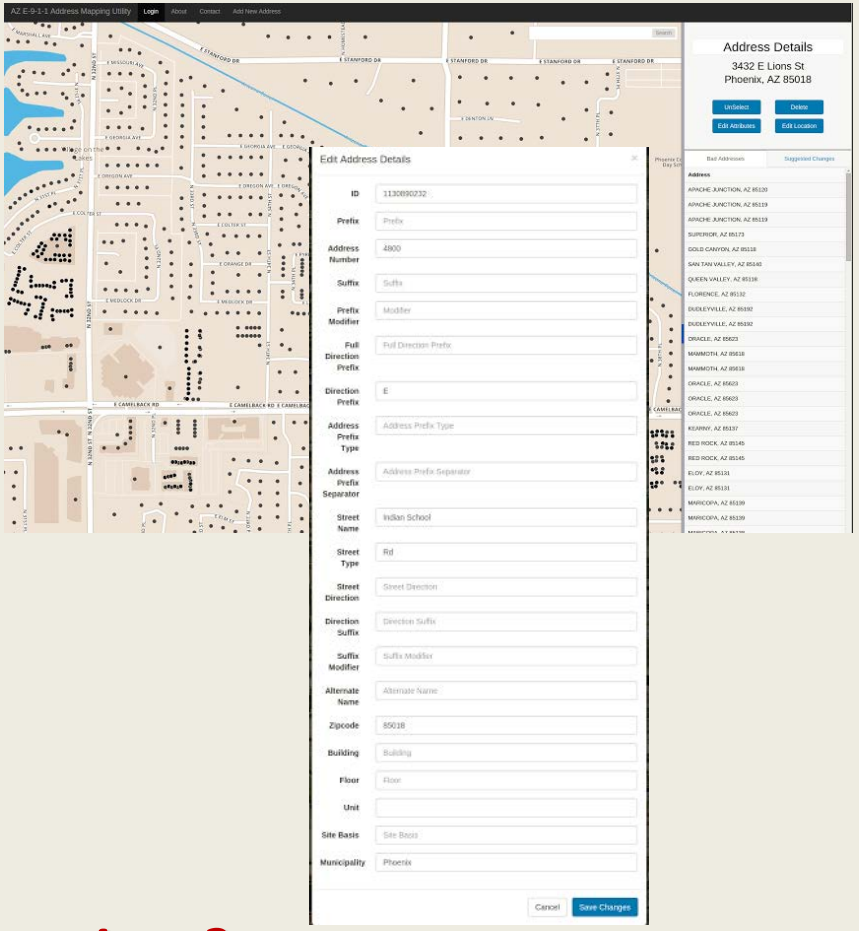
# Meeting the Needs: Sustainability

## *Spatial ETL*




## *VGI Editing & Ticketing System*




## *NSGIC Suggestions?*

# Sustainability:
# Operations & Maintenance

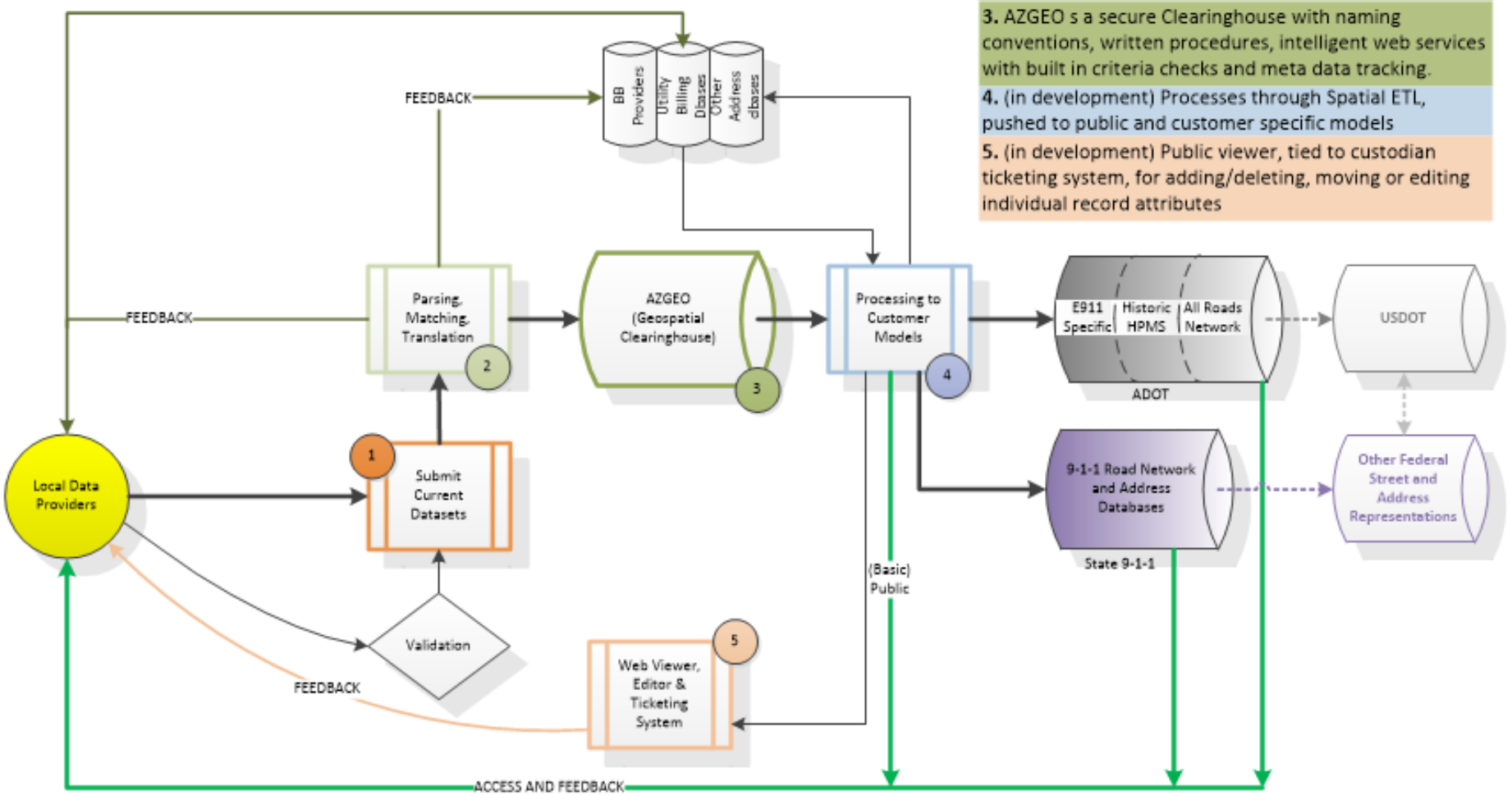
**1**. To obtain local agency participation, requires definition of the program (standards and target schema), refinement of program components, development of agreements among participating parties, on-going review and refinement of program.

**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 s 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

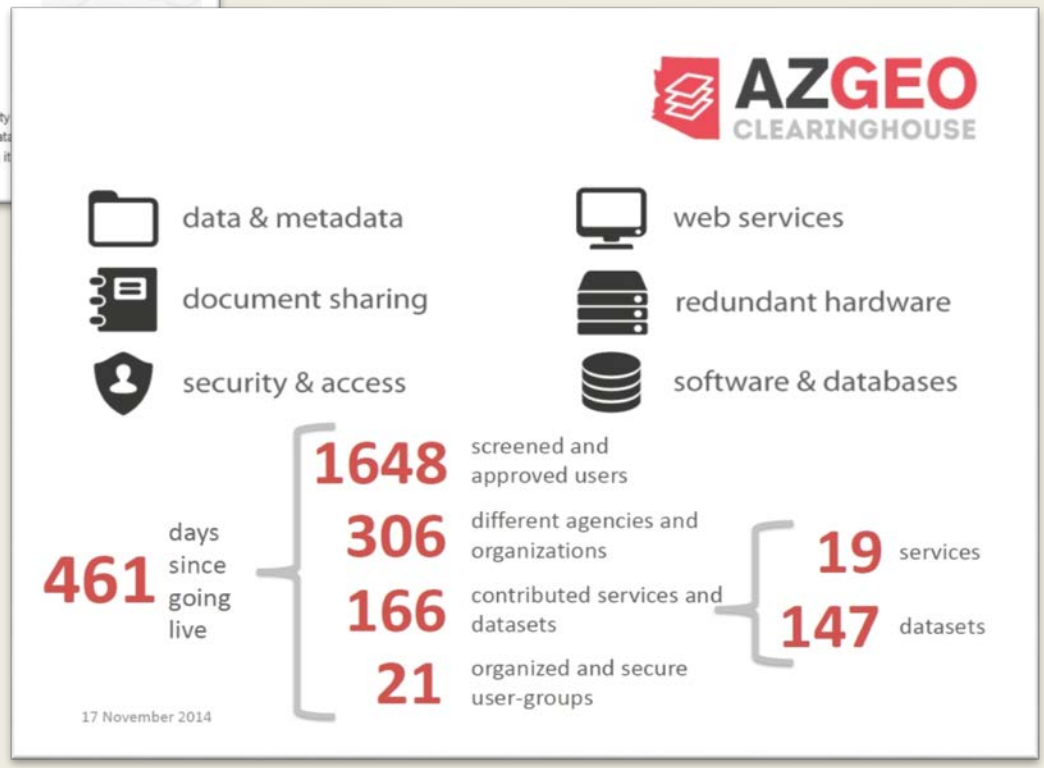
**5.** (in development) Public viewer, tied to custodian ticketing system, for adding/deleting, moving or editing individual record attributes



# AZGEO

## https://azgeo.az.gov

Clearinghouse to share data and applications


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

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

# Thanks to NSGIC for Providing Information, Networking, Mentoring and Insights into Best Practices

# Questions?

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