Using ArcGIS Online to Manage Albuquerque’s Many Neighborhood Associations

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AGIS Division
Office of Neighborhood Coordination (ONC)

- Formed in 1985
- ONC's Mission
  - To help create vibrant and thriving neighborhoods in the City of Albuquerque.
- Currently 229 neighborhood associations - changes weekly
Albuquerque Geographic Information Systems Division - AGIS

- Formed in 1986
- Esri customer #6
- Digitized NA’s in mid-90’s
- Were available in various GIS applications, but ONC wasn’t using them
  - Resulted in many errors, bad boundaries
Pre-ArcGIS Online

- All association boundaries were drawn by hand and kept in binder
  - Stickers, color coded hatching
- Notifications – hand measured buffer on paper maps
  - Human error caused missed notifications
- Angry citizen noticed bad NA boundary in AGIS map
  - ONC finally discovered AGIS
Going digital

- First ArcGIS Online app in 2010
- AGIS staff digitized the boundaries of every single association in book
  - Took three staff members four weeks to scan, georeference, and verify boundaries
- Continued to track on paper as well as app
- No helpful tools
First application – basic template
Web AppBuilder v1

- Transition to Web AppBuilder in 2017
- Incident widget for creating buffers and finding intersecting NA’s for notifications
- Edit tool for drawing new or changed association boundaries
- Clunky, hard to identify correct AOI, sometimes reported the weather
Web AppBuilder v1 – “ONC Map Tools”
Edit Widget
Web AppBuilder v2 – “ONC Map Tools 2.0”

- Query Widget
  - Spatial filter - selected feature from another layer
  - Honors related tables

- Published imagery as basemap
  - NAD 83 State Plane New Mexico Central
  - Label Acres using Arcade Expression

- Switched to Smart Editor
Select Parcels
Query Tool
Results List
Related Records
Export Contact List
Smart Editor

New neighborhood associations, or changed neighborhood association boundaries.

New Neighborhood Entry - Editor Cache

NAME
José test

RECOGNIZED
Unrecognized

THREE_LETTER DESIGNATION
JMR

STATUS
New

PURPOSE
New Association

Edit Geometry

Save
Current Status and Goals

- All association updates and contact list exports done in app
  - Modernized and streamlined ONC’s workflow, is QA tool
  - Reduces human error, easy to train new people
- Liquor License Applications and Cultural Service event planning use versions of app
- Next steps - address labels
- Web AppBuilder Developer Edition
Websites

- AGIS - [https://www.cabq.gov/planning/agis-maps](https://www.cabq.gov/planning/agis-maps)
- Public Map Viewers - [http://www.cabq.gov/gis](http://www.cabq.gov/gis)
Questions?