

ARKANSAS GEOGRAPHIC INFORMATION SYSTEMS OFFICE

FY 2018 – FY 2019 STRATEGIC PLAN

MISSION: PROMOTING EFFICIENT DEVELOPMENT, MAINTENANCE, AND DISTRIBUTION OF ARKANSAS' GEOGRAPHIC INFORMATION RESOURCES.

VISION: THE ARKANSAS GIS OFFICE PROVIDES EFFICIENT AND RELIABLE ACCESS TO THE STATE'S GEOSPATIAL INFORMATION RESOURCES FOR A BROAD RANGE OF STAKEHOLDERS, INCLUDING PUBLIC SECTOR AS WELL AS PRIVATE SECTOR STAKEHOLDERS AND ACADEMIA. THESE VITAL RESOURCES INCLUDE GIS DATA, SURVEY PLATS, AND AERIAL IMAGERY FOR THE STATE.

CORE VALUES: COORDINATION, LEADERSHIP, EDUCATION, INNOVATION

Goal 1 Summary: Completion of Statewide Geospatial Framework Data Layers Provided to Arkansas' Citizens Efficiently via the Agency's Online Clearinghouse

GIS Goal 1 Aligns with the Arkansas State Strategy Goals: Safe, Efficient and Responsive, Quality of Life

Measurable Objective 1: Foster and coordinate the completion and distribution of geospatial physical address point data for all 75 counties in Arkansas.

At the time of submission for this strategic plan, there are five counties in Arkansas which have not completed a comprehensive physical address point data set accounting for both incorporated and unincorporated portions of each county. Completion of this data set has been an ongoing objective in the agency for several years.

Strategy 1:

Provide direct support and outreach to local addressing authorities in the form of GIS technical support, project guidance, and recommendations of best practices for maintaining their geospatial data.

Strategy 2:

Research and seek out funding sources external to the agency's budget that will encourage data development efforts in local jurisdictions by providing supplementary financial resources. These

external funding sources can, from time to time, be leveraged through other programs with similar objectives such as public safety.

Strategy 3:

Increase the efficiency of data submission and aggregation from the local authorities by leveraging the technological capabilities of the Arkansas Spatial Data Infrastructure (ASDI) as well as those of the local stakeholders and consultants providing services to them. In laymen's terms, decrease our time-to-market for the data layers we collect and distribute.

Measurable Objective 2: Foster and coordinate the completion and distribution of geospatial tax parcel data for all 75 counties in Arkansas.

Strategy 1:

Update the state's published Cadastral Mapping Standard to better meet the current needs of the various stakeholders using the dataset. The technologies used to manage, store, and manipulate cadastral data have evolved since this standard was published, and these data need to keep pace with current technological tools and methods.

Strategy 2:

Streamline the ingestion and aggregation processes used to update the statewide cadastral dataset maintained in the Arkansas Spatial Data Infrastructure (ASDI) by leveraging the technological capabilities of the ASDI as well as those of the local stakeholders and consultants providing services to them.

Strategy 3:

Research and seek out funding sources external to the agency's budget that will encourage data development efforts in local jurisdictions by providing supplementary financial resources. These external funding sources can, from time to time, be leveraged through other programs with similar objectives such as public safety.

Measurable Objective 3: Continue to support statewide 911 efficiency activities with a particular focus on the GIS data layers that have been deemed essential for Next Generation 911 (NG911) by the National Emergency Number Association (NENA).

Strategy 1:

Provide each public safety answering point (PSAP) with a copy of the state's 2017 digital orthoimagery that is appropriate for their jurisdiction.

Strategy 2:

Interface with and provide support to local data stewards to improve the statewide quality and comprehensiveness of three GIS data layers that have been identified as “REQUIRED” in the NENA Standard for NG911 GIS Data Model publication. Those layers are road centerlines, PSAP boundaries, and emergency service boundaries.

Strategy 3:

Interface with and provide support to local data stewards to improve the statewide quality and comprehensiveness of the GIS data layers that have been identified as “STRONGLY RECOMMENDED” in the NENA Standard for NG911 GIS Data Model publication. These layers include, but are not limited to, structure address points and municipal boundaries.

Goal 2 Summary: Cultivate Partnerships with Local and State Government Entities and the U.S. Census Bureau to Improve Municipal Boundary Data for the State

GIS Goal 2 Aligns with the Arkansas State Strategy Goals: Educate, Efficient and Responsive, Quality of Life

Measurable Objective 1: Provide accurate and current geospatial municipal boundary data to the U.S. Census Bureau in order to improve the federal data used to administer the 2020 Census.

Strategy 1:

Annually transmit statewide municipal boundary to the U.S Census Bureau in accordance with the Bureau’s established Boundary and Annexation Survey (BAS) timeframes and facilitate the data’s incorporation into their databases.

Measurable Objective 2: Participate in outreach to local government stakeholders involved in the annexation process.

Strategy 1:

Coordinate with local elected officials including mayors, county clerks, etc. via direct personal communication and participation at applicable meetings to ensure annexations processes established in statute are understood and followed.

Strategy 2:

Provide digital mapping and legal description support to local government entities in accordance with Act 914 of the 90th General Assembly (A.C.A. § 14-38-116).

Measurable Objective 3: Coordinate with the Arkansas Secretary of State’s Office for the efficient management of annexation documents and information.

Strategy 1:

Maintain ongoing communication with the Arkansas Secretary of State’s Office to ensure applicable annexation records and data are current and shared in a timely, efficient, and mutually beneficial manner.

Goal 3 Summary: The Statewide Physical Address Point Data Set Becomes the Primary and Indispensable Address Validation Resource for State Government

GIS Goal 3 Aligns with the Arkansas State Strategy Goals: Safe, Efficient and Responsive, Quality of Life

Measurable Objective 1: Achieve CASS certification by the U.S. Postal Service (USPS) for the statewide physical address point data set

Strategy 1:

Continue to perform the quality control and data sanitizing tasks already in place at the agency utilizing new permanent staff approved by the administration and the 91st General Assembly. These tasks leverage coordination and existing agreements with the USPS as well as close coordination with the local addressing authorities and improve the quality of both the state’s data and that of the USPS.

Strategy 2:

Return improved data and quality control recommendations to the USPS and local addressing authorities in order to perpetuate data improvements.

Goal 4 Summary: Improve the Comprehensiveness and Currentness of Data Constituting the Basis of Various Forms of Election Districts In Order To Provide the Foundation for Efficient Redistricting Processes

GIS Goal 4 Aligns with the Arkansas State Strategy Goals: Efficient and Responsive, Quality of Life

Measurable Objective 1: The agency will pay particular attention to and increase its focus on the spatial data that forms the basis of election district information in the time leading up to the 2020 Census. This information will become a critical element of redistricting work that will commence again in 2021.

Strategy 1:

Coordinate with local elected officials including county clerks and school boards via direct personal communication and participation at applicable meetings to ensure school board zone boundaries are submitted to the agency in accordance with Arkansas Code § 6-13-1417(b)(3)(C).

Strategy 2:

Coordinate with local elected officials, particularly county clerks, via direct personal communication and participation at applicable meetings to ensure any altered or new election precinct boundaries are submitted to the agency in accordance with Arkansas Code § 7-5-101.

Strategy 3:

Conduct audits and/or reviews of school districts and counties wherein any changes may have occurred since redistricting in 2011.

Goal 5 Summary: Grow the Division of Land Survey as an Invaluable and Efficient Resource to Professional Surveyors and Property Owners, and Be the National Leader for Archival, Preservation and Restoration of the Public Land Survey System in Arkansas

GIS Goal 5 Aligns with the Arkansas State Strategy Goals: Safe, Efficient and Responsive, Quality of Life

Measurable Objective 1: Decrease the misuse of plats filed with the Division and increase the rate of plat filing by professional surveyors.

Strategy 1:

Implement software which secures survey plats stored in the plats.arkansas.gov system and prevents download and misuse by inappropriate or unauthorized users.

Measurable Objective 2: Expand the use of public land survey system (PLSS) corner records maintained by the Division and the locatability of the actual corners referenced by these records.

Strategy 1:

Enhance the PLSS corner database by consistently incorporating latitude and longitude coordinates into the records. This allows not only for better on-site location but for inclusion of the corners into surveying and GIS digital mapping applications.

Appendix: Agency Profile And Organizational Chart

- Key stakeholders
- Primary services
- Profile of the workforce
- Strategic challenges and advantages
- Other relevant information

Additional Plan Information:

Much of this plan corresponds to the Arkansas GIS Board's 2014 review of the state's Geospatial Strategic Business Plan adopted by the Board in March 2010. Within the review document, several objectives were laid out for the agency to achieve over the five years subsequent to the Board's review. The [2010 Geospatial Strategic Business Plan](#) and the [2014 Strategic Plan Review](#) can be accessed via the links here.

CONTACT INFORMATION:

Shelby Johnson, Director

(501) 682-2943

shelby.johnson@arkansas.gov

Jonathan Duran, Deputy Director

(501) 682-4432

jonathan.duran@arkansas.gov

