

ARKANSAS GEOGRAPHIC INFORMATION OFFICE

Enabling Laws

Act 78 of 2012
A.C.A § 15-21-501 et seq.

History and Organization

The Arkansas Geographic Information Office (AGIO) was created in 2001 as a division of the Department of Information Services (DIS) by the passage of Act 1250. Its purpose is to coordinate the development and maintenance of geographic information systems (GIS) data throughout the state. The AGIO coordinates with all levels of government, private and non-profit sectors to reduce duplication of effort. The office works in conjunction with the Arkansas Geographic Information Systems Board. In 2009, the AGIO became a state agency with the passage of Act 244 (HB 1356 of 87th General Assembly).

The Office operates GeoStor, Arkansas' GIS clearinghouse, where the state's GIS data is published for users. The Office works closely with County Assessors who are mapping real estate tax parcels, County Judges and E9-1-1 coordinators who are mapping the road centerline file and with county floodplain managers in support of FEMA's Flood Map Modernization Program. The Office is also responsible for maintaining the aerial imagery program that procures aerial imagery of the state.

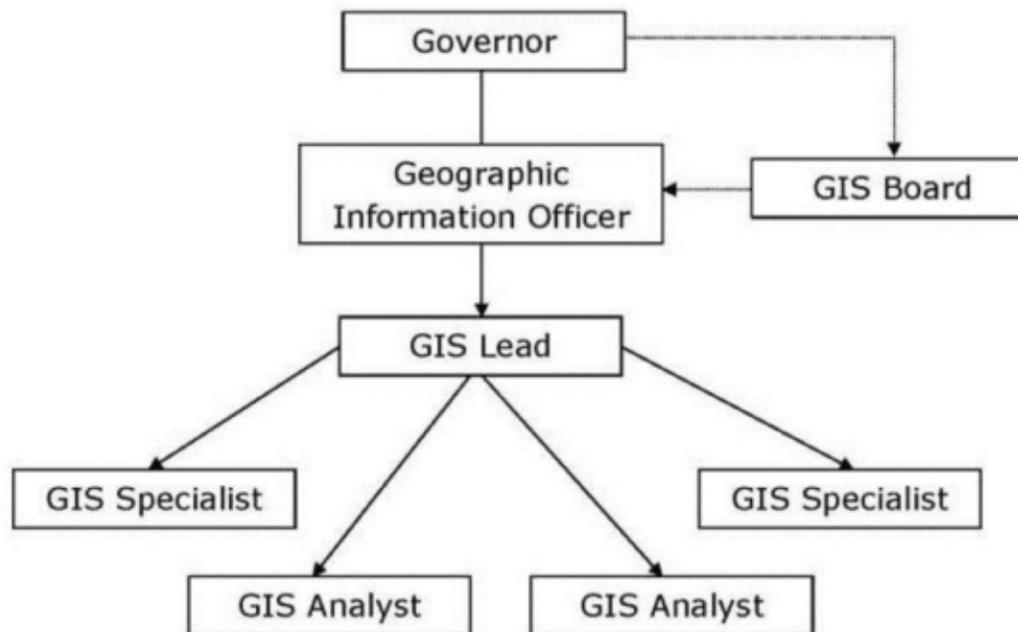
The parcel mapping focuses on the development of tax parcels that are listed in the counties' computer-assisted mass appraisal system. Parcel mapping improves the efficiency of the Assessor reappraisal process. The data aids the Assessors in discovering taxable real estate. The data is used by the banking industry, Realtors, surveyors, floodplain administrators and others to view information about properties. One of the most valuable uses of the data is for economic development where prospects can research and evaluate potential sites for development without having to conduct an initial visit.

The road centerline program compiles a standardized road centerline map layer that can be used by all levels of government, the private sector and individuals. The data is one of the most commonly needed datasets by GIS users. The AGIO helps the County E9-1-1 offices with the technical facets of creating and maintaining centerline data. The data can be used to locate people, places and events along the roads by correlating them to a physical address. The AGIO assembles a statewide version of the data by incorporating updates from individual counties as roads are changed or new roads are built. The layer is heavily used following disaster and emergency response events. This layer in combination with address point coordinates is used to drive the state's Streamlined Sales Tax database that supports collection and accurate distribution of county and city sales tax. The system added over \$7 million in sales tax revenue to the state in 2009.

The AGIO plays a supportive role in FEMA’s Flood Map Modernization Program by providing local and statewide GIS data used for the digital flood insurance rate maps. It also ensures the quality of the data based on FEMA’s guidelines and standards. The AGIO also assists county floodplain managers with GIS data requirements.

The aerial imagery is a special type of photography that is corrected for terrain distortion and encoded with the latitude and longitude coordinates. This enables the data to be used in a number of applications. Because a picture is worth a thousand words, this data is the most popular GIS data published by the agency. It is used by County Assessors to locate and discover real estate, by County E9-1-1 office to map roads, by numerous state agencies for a variety of purposes and by private sectors including real estate, land surveying, engineering, utilities, agriculture and forestry . The AGIO procured this statewide image database in 2001 and 2006 with General Improvement funding. The data is also provided to commercial Internet search engines so that GIS users worldwide can access it, and entrepreneurs can potentially make more informed business decisions.

The AGIO continues to work with Arkansas counties, state and federal agencies to ensure the accuracy and self-maintenance of GIS data about Arkansas for decision makers.



Agency Commentary

The Arkansas Geographic Information Office acts as the functional arm of the Arkansas Geographic Information Systems (GIS) Board. The agency coordinates the development and maintenance of statewide GIS data with cities, counties, state agencies, the federal government, non-profit and private sectors. This activity reduces duplication of effort and ensures GIS data about Arkansas is readily available for decision makers. The data is made available through GeoStor the state's online GIS platform. The agency provides administrative and technical support to the Board.

The agency's long-range plan calls for investing in the most important GIS databases needed in Arkansas. The priorities represent the most commonly used base maps. These layers are used by multiple agencies, local government and private sector and are used for emergency response, natural resource management, regulatory oversight, allocation of streamlined sales tax revenue and generate real estate revenue. The agency uses the data to support the Department of Finance and Administration, Excise Tax Division in the Streamlined Sales and Use Tax program that collects and allocates sales tax at the delivery point. Points of delivery are determined by the GIS databases. The agency's request is for the state to invest in getting these critical layers created and maintained. Nearly every function in state government can be mapped and analyzed geographically if the data is available. This data is needed statewide to support statewide decision making.

The agency requests one (1) additional position; for an Administrative Specialist to support the agency's administrative functions that are presently being filled by the Director. This will increase Regular Salaries and Personal Services Matching by a total of \$31,539 each year of the biennium. The Administrative Specialist position is requested to support the administrative functions of the agency in conjunction with DFA-Service Bureau such as inventory, accounts payable, payroll processing, personnel related actions, procurement and budgeting.

The agency consolidated some of its database software, allowing the agency to cease annual maintenance fees on licenses. This saves \$11,000. The agency will use the savings to increasing the software licensing to support more Internet and mobile mapping applications on

Audit Findings

DIVISION OF LEGISLATIVE AUDIT
AUDIT OF :
ARKANSAS GEOGRAPHIC INFORMATION OFFICE
FOR THE YEAR ENDED JUNE 30, 2011

Findings

Recommendations

None

None

State Contracts Over \$25,000 Awarded To Minority Owned Businesses Fiscal Year 2012

None

Employment Summary

	Male	Female	Total	%
White Employees	4	1	5	100 %
Black Employees	0	0	0	0 %
Other Racial Minorities	0	0	0	0 %
	Total Minorities		0	0 %
	Total Employees		5	100 %

Publications

A.C.A. 25-1-204

Name	Statutory Authorization	Required for		# of Copies	Reason(s) for Continued Publication and Distribution
		Governor	General Assembly		
Annual Report to Joint Committee on Advanced Communications & Information Technology	A.C.A 15-21-503 (i)	Y	Y	40	A.C.A. 15-21-503 (i)

Department Appropriation Summary

Historical Data

Agency Request and Executive Recommendation

Appropriation	2011-2012		2012-2013		2012-2013		2013-2014						2014-2015					
	Actual	Pos	Budget	Pos	Authorized	Pos	Base Level	Pos	Agency	Pos	Executive	Pos	Base Level	Pos	Agency	Pos	Executive	Pos
56X GeoStor & Framework	7,000	0	250,000	0	250,000	0	250,000	0	250,000	0	250,000	0	250,000	0	250,000	0	250,000	0
56Y Geographic Information Systems	776,784	6	742,986	6	818,336	6	744,680	6	802,719	7	802,719	7	744,680	6	802,719	7	802,719	7
86J Point Mapping ARRA	284,169	0	570,000	0	0	0	0	0	570,000	0	570,000	0	0	0	0	0	0	0
86X Parcel Mapping Grant	0	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0	1,333,300	0
NOT REQUESTED FOR THE BIENNIIUM																		
56W Flood Map - Federal	3,341	0	0	0	122,500	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,071,294	6	2,896,286	6	2,524,136	6	2,327,980	6	2,956,019	7	2,956,019	7	2,327,980	6	2,386,019	7	2,386,019	7

Funding Sources		%		%		%		%		%		%		%		%		%	
Fund Balance	4000005	210,089	12.1	668,533	23.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
General Revenue	4000010	776,784	44.6	732,587	25.3	744,680	32.0	802,719	27.2	802,719	27.2	744,680	32.0	802,719	33.6	802,719	33.6	802,719	33.6
Federal Revenue	4000020	3,341	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Trust Fund	4000050	465,444	26.8	914,767	31.6	1,583,300	68.0	1,583,300	53.6	1,583,300	53.6	1,583,300	68.0	1,583,300	66.4	1,583,300	66.4	1,583,300	66.4
Merit Adjustment Fund	4000055	0	0.0	10,399	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Federal Funds-ARRA	4000244	284,169	16.3	570,000	19.7	0	0.0	570,000	19.3	570,000	19.3	0	0.0	0	0.0	0	0.0	0	0.0
Total Funds		1,739,827	100.0	2,896,286	100.0	2,327,980	100.0	2,956,019	100.0	2,956,019	100.0	2,327,980	100.0	2,386,019	100.0	2,386,019	100.0	2,386,019	100.0
Excess Appropriation/(Funding)		(668,533)		0		0		0		0		0		0		0		0	
Grand Total		1,071,294		2,896,286		2,327,980		2,956,019		2,956,019		2,327,980		2,386,019		2,386,019		2,386,019	

Budget exceeds Authorized Appropriation in 86J due to a transfer from the Miscellaneous Federal Grant Holding Account.

Agency Position Usage Report

FY2010 - 2011						FY2011 - 2012						FY2012 - 2013					
Authorized in Act	Budgeted			Unbudgeted	% of Authorized Unused	Authorized in Act	Budgeted			Unbudgeted	% of Authorized Unused	Authorized in Act	Budgeted			Unbudgeted	% of Authorized Unused
	Filled	Unfilled	Total	Total			Filled	Unfilled	Total	Total			Filled	Unfilled	Total	Total	
5	5	0	5	0	0.00 %	6	6	0	6	0	0.00 %	6	6	0	6	0	0.00 %

Analysis of Budget Request

Appropriation: 56X - GeoStor & Framework

Funding Sources: TGS - Geographic Information Systems Fund

The Geographic Information Systems Fund consists of funds approved by the General Assembly, contributions, federal funds, and any other funds allowable by law. This fund is used to carry out the duties, responsibilities, and authority of the Arkansas Land Board; and create, update, and maintain GeoStor, the Arkansas Spatial Data Infrastructure.

The Agency requests Base Level appropriation for GeoStor and Framework for the 2013-2015 Biennium.

The Executive Recommendation provides for the Agency Request.

Appropriation Summary

Appropriation: 56X - GeoStor & Framework
Funding Sources: TGS - Geographic Information Systems Fund

Historical Data

Agency Request and Executive Recommendation

Commitment Item	Historical Data			2013-2014			2014-2015		
	2011-2012 Actual	2012-2013 Budget	2012-2013 Authorized	Base Level	Agency	Executive	Base Level	Agency	Executive
Geostor & Framework 5900047	7,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	7,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Funding Sources									
Fund Balance 4000005	210,089	203,089		0	0	0	0	0	0
Trust Fund 4000050	0	46,911		250,000	250,000	250,000	250,000	250,000	250,000
Total Funding	210,089	250,000		250,000	250,000	250,000	250,000	250,000	250,000
Excess Appropriation/(Funding)	(203,089)	0		0	0	0	0	0	0
Grand Total	7,000	250,000		250,000	250,000	250,000	250,000	250,000	250,000

Analysis of Budget Request

Appropriation: 56Y - Geographic Information Systems

Funding Sources: HUA - Miscellaneous Agencies Fund

The Office of Geographic Information Systems was established as a part of the Office of Information Technology as an integral component of the Initiative for Statewide Technology Advancement (GISTA) and Arkansas' Electronic Government to provide services and data to cities, counties, state and federal agencies, private businesses, and citizens. It provides technology transfer and educational services to all users of GeoStor and enables specific county level projects to become more integrated within GeoStor. The Arkansas Spatial Data Infrastructure (ASDI) is a public resource that provides storage and easy access to essential statewide geographically linked information such as maps, boundaries, aerial photography, facilities, and natural resources.

Upon the dissolution of the Office of Information Technology (OIT) by Acts 751 and 794 of 2007, this appropriation was transferred to the Department of Information Systems. In 2009, the Arkansas Geographic Information Office (AGIO) became a state agency with the passage of Act 244 of 2009. This appropriation is funded by general revenue.

Base Level Regular Salaries and Personal Services Matching includes Career Service payments for eligible employees. Personal Services Matching also includes a \$20 increase in the monthly contribution for State employee's health insurance for a total State match per budgeted employee of \$410 per month. Base Level salaries and matching do not include appropriation for a Cost of Living Adjustment or Merit Pay increases.

The Agency requests an Administrative Specialist II position to allow the Director to perform his duties as agency director. The position will be responsible for administrative functions such as requisitions, travel administration, financial record keeping, and basic human resource functions in conjunction with DFA-Service Bureau. Some of the administrative tasks have been delegated; however, there are administrative duties which are not done due to time constraints in fulfilling the office's mission. This change level request will increase Regular Salaries and Personal Services Matching \$31,539 each year of the biennium.

The agency requests a change level of \$26,500 for Software Maintenance for each year of the biennium. This will enable the agency to support more Internet and mobile applications on the GeoStor system, develop more applications which use spatial technologies for other agencies to carry their missions and; allow state and county officials to create maps that can be accessed by any computer and/or smart phone. The software will allow users to update, collaborate and share data on the state's geographic information system. The agency can combine local disparate data into the statewide system and disseminate the information to the public. This is located under Major Applications GeoStor in the agency's IT plan.

The Executive Recommendation provides for the Agency Request and additional General Revenue of \$58,039.

Appropriation Summary

Appropriation: 56Y - Geographic Information Systems

Funding Sources: HUA - Miscellaneous Agencies Fund

Historical Data

Agency Request and Executive Recommendation

Commitment Item		Historical Data			Agency Request and Executive Recommendation			Agency Request and Executive Recommendation		
		2011-2012 Actual	2012-2013 Budget	2012-2013 Authorized	2013-2014			2014-2015		
					Base Level	Agency	Executive	Base Level	Agency	Executive
Regular Salaries	5010000	395,819	415,659	430,244	415,659	437,486	437,486	415,659	437,486	437,486
#Positions		6	6	6	6	7	7	6	7	7
Extra Help	5010001	5,992	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
#Extra Help		1	2	2	2	2	2	2	2	2
Personal Services Matching	5010003	112,564	119,527	115,037	121,221	130,933	130,933	121,221	130,933	130,933
Operating Expenses	5020002	255,015	191,800	257,055	191,800	218,300	218,300	191,800	218,300	218,300
Conference & Travel Expenses	5050009	7,394	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Professional Fees	5060010	0	0	0	0	0	0	0	0	0
Data Processing	5090012	0	0	0	0	0	0	0	0	0
Capital Outlay	5120011	0	0	0	0	0	0	0	0	0
Total		776,784	742,986	818,336	744,680	802,719	802,719	744,680	802,719	802,719
Funding Sources										
General Revenue	4000010	776,784	732,587		744,680	802,719	802,719	744,680	802,719	802,719
Merit Adjustment Fund	4000055	0	10,399		0	0	0	0	0	0
Total Funding		776,784	742,986		744,680	802,719	802,719	744,680	802,719	802,719
Excess Appropriation/(Funding)		0	0		0	0	0	0	0	0
Grand Total		776,784	742,986		744,680	802,719	802,719	744,680	802,719	802,719

The FY13 Budget amount in Personal Services Matching exceeds the authorized amount due to matching rate adjustments during the 2011-2013 Biennium.

Change Level by Appropriation

Appropriation: 56Y - Geographic Information Systems
Funding Sources: HUA - Miscellaneous Agencies Fund

Agency Request

Change Level		2013-2014	Pos	Cumulative	% of BL	2014-2015	Pos	Cumulative	% of BL
BL	Base Level	744,680	6	744,680	100.0	744,680	6	744,680	100.0
C01	Existing Program	31,539	1	776,219	104.2	31,539	1	776,219	104.2
C08	Technology	26,500	0	802,719	107.8	26,500	0	802,719	107.8

Executive Recommendation

Change Level		2013-2014	Pos	Cumulative	% of BL	2014-2015	Pos	Cumulative	% of BL
BL	Base Level	744,680	6	744,680	100.0	744,680	6	744,680	100.0
C01	Existing Program	31,539	1	776,219	104.2	31,539	1	776,219	104.2
C08	Technology	26,500	0	802,719	107.8	26,500	0	802,719	107.8

Justification

C01	The agency requests an Administrative Specialist II position to support the administrative functions of the agency in conjunction with DFA - Service Bureau. These administrative duties are performed by the agency director and preventing the director from executing the duties as a director. Some of the administrative tasks have been delegated; however, there are administrative duties which are not done due to time constraints in fulfilling the office's mission. For example, the Division of Legislative Audit recommended the office take a full inventory and update the fixed asset records to properly reflect fixed asset holdings. This change level request will increase Regular Salaries and Personal Services Matching \$31,539 each year of the biennium.
C08	The agency requests a change level of \$26,500 for Software Maintenance for each year of the biennium. The agency consolidated some database software resulting in savings of approximately \$11,000. This savings plus the change level will support more Internet and mobile applications on the GeoStor system. This software support will enable the State to develop more applications which use spatial technologies for other agencies to carry their missions. This software allows state and county officials to use their credentials to securely log in and create web maps that can be accessed by any computer and/or smart phone. The credentialed users, consisting of state and local agencies, can use this software to update, collaborate and share data through a secure portal information on the state's geographic information system (gis). The software provides the capability for the agency to combine local disparate data into a statewide system efficiently disseminated to the public. This can be found under Major Applications GeoStor in the agency's IT plan.

Analysis of Budget Request

Appropriation: 86J - Point Mapping ARRA

Funding Sources: FNM - Federal Funds-ARRA

Connect Arkansas received a grant through the Sustainable Adoption and State Broadband Data and Development grant programs administered by the National Telecommunications and Information Administration. The Arkansas Geographic Information Office (AGIO) is the recipient of a subcontract from Connect Arkansas in support of the National Broadband effort to produce broadband maps for the State. AGIO will compile address point file data from various counties and integrate the data into a seamless statewide database. The addresses are assigned by the County E9-1-1 addressing authority and represent the authoritative source of the address and its latitude and longitude.

The agency requests continuation of this program at \$570,000 for FY14.

The AGIO requests discontinuation of this program for FY15. This program subcontract expires at the end of FY14.

The Executive Recommendation provides for the Agency Request.

Appropriation Summary

Appropriation: 86J - Point Mapping ARRA
Funding Sources: FNM - Federal Funds-ARRA

Historical Data

Agency Request and Executive Recommendation

Commitment Item	Historical Data			2013-2014			2014-2015		
	2011-2012 Actual	2012-2013 Budget	2012-2013 Authorized	Base Level	Agency	Executive	Base Level	Agency	Executive
ARRA of 2009 5900052	284,169	570,000	0	0	570,000	570,000	0	0	0
Total	284,169	570,000	0	0	570,000	570,000	0	0	0
Funding Sources									
Federal Funds-ARRA 4000244	284,169	570,000		0	570,000	570,000	0	0	0
Total Funding	284,169	570,000		0	570,000	570,000	0	0	0
Excess Appropriation/(Funding)	0	0		0	0	0	0	0	0
Grand Total	284,169	570,000		0	570,000	570,000	0	0	0

Appropriation was established through the authority of the Miscellaneous Federal Program Act. Agency Change Level request includes ARRA appropriation and/or positions in ARRA of 2009 line item due to a temporary extension of ARRA funding from the federal agency.

Change Level by Appropriation

Appropriation: 86J - Point Mapping ARRA
Funding Sources: FNM - Federal Funds-ARRA

Agency Request

Change Level		2013-2014	Pos	Cumulative	% of BL	2014-2015	Pos	Cumulative	% of BL
C03	Discontinue Program	0	0	0	0.0	(570,000)	0	(570,000)	100.0
C16	ARRA	570,000	0	570,000	100.0	570,000	0	0	0.0

Executive Recommendation

Change Level		2013-2014	Pos	Cumulative	% of BL	2014-2015	Pos	Cumulative	% of BL
C03	Discontinue Program	0	0	0	0.0	(570,000)	0	(570,000)	100.0
C16	ARRA	570,000	0	570,000	100.0	570,000	0	0	0.0

Justification

C03	The AGIO requests discontinuation of this program for FY15. This program subcontract expires at the end of FY14.
C16	The agency requests continuation of this program at \$570,000 for FY14. Connect Arkansas received a grant through the Sustainable Adoption and State Broadband Data and Development grant programs administered by the National Telecommunications and Information Administration. The Arkansas Geographic Information Office (AGIO) is the recipient of a subcontract from Connect Arkansas in support of the National Broadband effort to produce broadband maps for the State. AGIO will compile address point file data from various counties and integrate the data into a seamless statewide database. The addresses are assigned by the County E9-1-1 addressing authority and represent the authoritative source of the address and its latitude and longitude.

Analysis of Budget Request

Appropriation: 86X - Parcel Mapping Grant

Funding Sources: TGS - Geographic Information Systems Fund

This appropriation is used to update the statewide digital parcel data map. It is used to initiate parcel automation, accelerate the completion of parcel automation, and support improvements in those counties which have completed automation. Grants under this program are funded as follows, state funding of up to 60% of the cost of approved projects and the balance of the cost from required matching funds from the county.

The Agency requests Base Level appropriation of \$1,333,300 for the 2013-2015 Biennium.

The Executive Recommendation provides for the Agency Request.

Appropriation Summary

Appropriation: 86X - Parcel Mapping Grant
Funding Sources: TGS - Geographic Information Systems Fund

Historical Data

Agency Request and Executive Recommendation

Commitment Item	Historical Data			2013-2014			2014-2015		
	2011-2012 Actual	2012-2013 Budget	2012-2013 Authorized	Base Level	Agency	Executive	Base Level	Agency	Executive
Statewide Parcel Map Grant Prog 5900046	0	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Total	0	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Funding Sources									
Fund Balance 4000005	0	465,444		0	0	0	0	0	0
Trust Fund 4000050	465,444	867,856		1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Total Funding	465,444	1,333,300		1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300
Excess Appropriation/(Funding)	(465,444)	0		0	0	0	0	0	0
Grand Total	0	1,333,300		1,333,300	1,333,300	1,333,300	1,333,300	1,333,300	1,333,300

Appropriation Summary

Appropriation: 56W - Flood Map - Federal

Funding Sources: FNM - Federal Funds

Historical Data

Agency Request and Executive Recommendation

Commitment Item	Historical Data			2013-2014			2014-2015		
	2011-2012 Actual	2012-2013 Budget	2012-2013 Authorized	Base Level	Agency	Executive	Base Level	Agency	Executive
Operating Expenses 5020002	3,341	0	106,300	0	0	0	0	0	0
Conference & Travel Expenses 5050009	0	0	10,200	0	0	0	0	0	0
Professional Fees 5060010	0	0	0	0	0	0	0	0	0
Data Processing 5090012	0	0	0	0	0	0	0	0	0
Capital Outlay 5120011	0	0	6,000	0	0	0	0	0	0
Total	3,341	0	122,500	0	0	0	0	0	0
Funding Sources									
Federal Revenue 4000020	3,341	0		0	0	0	0	0	0
Total Funding	3,341	0		0	0	0	0	0	0
Excess Appropriation/(Funding)	0	0		0	0	0	0	0	0
Grand Total	3,341	0		0	0	0	0	0	0

APPROPRIATION NOT REQUESTED FOR THE 2013 - 2015 BIENNIUM.