Arkansas Water Plan 2014 Update

Appendix E
Water Demand Forecast Report

Water Demand Forecast Report

Arkansas Natural Resources Commission

Arkansas State Water Plan Update

October 2013

CDM Smith

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Acronyms

AF	acre-foot
AFY	acre-foot per year
AIEA	Arkansas Institute of Economic Advancement
ANRC	Arkansas Natural Resource Commission
AWP	Arkansas Water Plan
CAPS	County Agricultural Production Survey
CDL	Crop Data Layer
CEDDS	The Complete Economic and Demographic Data Source
cfs	cubic feet per second
COA	Census of Agriculture
DOH	Department of Health
DWS	Arkansas Department of Workforce Services
EIA	Energy Information Agency
GIS	geographic information system
gpcd	gallons per capita per day
gpd	gallons per day
HUC	Hydrologic Unit Code
MG	million gallons
mgd	million gallons per day
MKARNS	McClellan-Kerr Arkansas River Navigation System
MPID	Measurement Point Identification
MWh	megawatt hour
NAICS	North American Industrial Classification System
NASS	National Agricultural Statistics Service
NRCS	Natural Resources Conservation Service
R^2	R-square
SIC	Standard Industrial Classification
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
W&P	Woods & Poole Economic, Inc.
WIA	Workforce Investment Area
WUDBS	Water Use Registration Data Base

Water Demand Forecasts for the Arkansas Water Plan

1.0 Introduction and Overview

The update to the Arkansas Water Plan (AWP) involves several major steps including the quantification of current and future water needs (also referred to as water demand) in order to provide an answer to the question – *How much water do we currently use and how much will we need in the future?* These estimates of future water demand are intended for statewide and regional planning purposes, and are not intended to replace local water resource planning efforts.

This report describes the methods and data used to quantify current and future water demands. The methodologies described in this document provide a means of maintaining consistency in the forecasting effort while still allowing for regional variation to be captured. This information is used to develop a complete statewide, county and regional quantification of current and future water needs by source of supply (groundwater and surface water) and by various demand sectors, as described below.

The water demand forecasts are developed to the year 2050. The water demands for all sectors, except navigation, are developed on the county level. The base period for each demand sector varies slightly due to the availability of data for each sector. Generally, the base period is representative of the period from 2008 to 2011. The primary data used to develop the county level forecasts are derived from the Water Use Registration Data Base (WUDBS) and include withdrawal point information (i.e., Measurement Point Identification (MPID) with associated latitude and longitude coordinates) and water sources (i.e., aquifer codes or surface water Hydrologic Unit Code (HUC) 8 codes). Thus, water demands of each county are quantified at the individual withdrawal point level with a specific coordinate and source. The water demands are then re-aggregated by planning region, aquifer, or surface water basin.

Sector water demand forecasts are developed at the county level for each of Arkansas' 75 counties. The county is a necessary geographic unit for forecasting demand because much of the data required to forecast future demand (e.g., demographic projections) are available at the county level.

In addition, five water resource planning regions have been identified as a framework to quantify and compare demands to available water supply. The overall purpose of the Planning Regions is to group areas of the state with shared resources and similar economic, social, and institutional characteristics in order to facilitate the water resource planning process and to devise basin- and resource-focused planning needs, goals, and management practices/solutions to address local and regional needs. The aggregation of sector water demand forecasts to Planning Regions is discussed in Section 18.

Existing and future water demands are summarized by source of supply. For each county, surface water and groundwater demands are identified by aquifer unit or surface water source for each forecast year and for each sector of use.

1.1 Sectors of Water Use

Demands are forecast separately for 12 sectors of water use within the state. Sector forecasts are necessary because each sector has unique factors that influence its water demand. The data, forecast methods, and summaries of estimated future water demand in the State of Arkansas through 2050 are described in detail in subsequent sections of this report for the following sectors:

- **Municipal** – this sector includes residential, commercial, light industrial, and irrigation water demands of public water systems in the state.
- **Self-supplied Domestic** – this sector includes the residential indoor and outdoor water uses of the state's population not served by a public water system.
- **Commercial** – this sector includes self-supplied commercial water users in the state.
- **Industrial** – this sector includes both self-supplied and municipally-supplied industrial water users in the state.
- **Agriculture**, which is subdivided into:
  - *Crop irrigation* – this sector of use accounts for the crop irrigation water demands of row crop producers in the state.
  - *Livestock* – this sector accounts for the livestock raising operation water demands of livestock producers in the state.
  - *Aquaculture* – this sector accounts for the water demands of aquaculture producers in the state.
- **Thermoelectric Power** – this sector accounts for the water demands of electric utility thermoelectric power generators in the state and does not quantify the water needs for hydroelectric power generation or renewable energy sources that use no water or negligible amounts of water (e.g., wind and solar).
- **Mining** – this sector includes both self-supplied and municipally-supplied mining water users in the state.
- **Shale Gas** (Hydraulic Fracturing of the Fayetteville Shale formation) – this sector accounts for the water demands of the natural gas drilling and fracturing operations in the Fayetteville Shale Play.
- **Duck (Hunting) Clubs and Habitat Maintenance** – this sector includes the water demands for self-supplied commercial duck (hunting) clubs as well as habitat maintenance water demands for the Arkansas Game and Fish Commission throughout the state.
- **Navigational Considerations** – minimum in-stream flows for commercial navigation in Arkansas rivers.

1.2 Water Use Data

Where possible, historical water withdrawal data are used to establish base period levels of demand by water use sector for developing demand forecasts. In Arkansas, water users that withdraw 1 acre-

foot (AF) or more per year of surface water, or those users with the potential to pump 50,000 gallons per day (gpd) of groundwater, are required to register their water use under the Arkansas Natural Resource Commission (ANRC) Water-Use Registration Program. Withdrawal and diversion volumes from the previous year are reported by registered users each year to the ANRC, or Conservation Districts in the case of agricultural water users in some counties. There are approximately 6,100 surface water withdrawal sites and 49,000 groundwater withdrawal sites registered in Arkansas. Reported withdrawals are stored in the WUDBS, which is managed by the U.S. Geological Survey (USGS) through a cooperative agreement with ANRC. This database contains monthly water withdrawal volumes by registered user. Key data fields include the diverter name, location of withdrawal, and industry type. Other data sources are described in subsequent sections of this report by respective water use sector.

1.3 Demographic Projections

The water demand forecasts developed for the AWP are based upon current water use information and future projections of population and employment. (Note that projections for the agricultural water demand forecast are described separately, as are the shale gas and navigation water demands.) Projections of future population and employment are "drivers" of the future water demand for many of the water user sectors described in this report. The data sources for demographic projections are described in detail in Section 3.

2.0 Summary

Water demands by sector and by county are presented in each of the Appendices for the individual sectors. A few of the demand sectors have multiple forecast scenarios. The water demand forecasts by sector are summarized using the following recommended planning scenarios:

- Arkansas Institute of Economic Advancement (AIEA) population projection scenario for Municipal, Self-supplied Domestic, and Self-supplied Commercial sectors
- With conservation effects scenario for the Municipal and Self-supplied Domestic sectors
- Reference scenario for the thermoelectric power sector

Total water demand by sector (excluding navigation) is shown in **Table 2.1** including the thermoelectric power withdrawal demands, and in **Table 2.2** including the thermoelectric power consumption demands. There is a difference of more than 1,000 million gallons per day (mgd) between forecasts with the thermoelectric power generation withdrawal and consumption.

Water demand for crop irrigation is about 80 percent of total water demand when thermoelectric power withdrawals are considered, and about 89 percent of total water demand when thermoelectric power consumption is included in the calculation of total water demand. **Figures 2.1** and **2.2** show the statewide total water demand (including thermoelectric power withdrawals) with and without crop irrigation.

Table 2.1 Water Demand Forecast in MGD, with Thermoelectric Power Withdrawals

	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Crop Irrigation	8,816	9,161	9,507	9,724	9,941	9,980	10,020	10,030	10,040
Thermoelectric	1,177	1,258	1,274	1,326	1,337	1,346	1,349	1,352	1,355
Municipal	385	393	405	418	431	446	463	482	503
Industrial	291	281	273	261	249	237	224	213	202
Duck Habitat	259	259	259	259	259	259	259	259	259
Aquaculture	103	103	103	103	103	103	103	103	103
Livestock	27	27	29	29	29	29	29	29	29
Self-Supplied Domestic	13	13	13	13	13	13	13	14	14
Shale Gas	11	10	9	8	0	0	0	0	0
Mining	6	6	6	7	9	10	11	12	14
Self-Supplied Commercial	5	6	6	6	6	6	7	7	7
TOTAL	**11,093**	**11,519**	**11,885**	**12,155**	**12,378**	**12,430**	**12,479**	**12,501**	**12,526**

Table 2.2 Water Demand Forecast in MGD, with Thermoelectric Power Consumption

	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Crop Irrigation	8,816	9,161	9,507	9,724	9,941	9,980	10,020	10,030	10,040
Thermoelectric	81	98	99	99	99	100	100	101	101
Municipal	385	393	405	418	431	446	463	482	503
Industrial	291	281	273	261	249	237	224	213	202
Duck Habitat	259	259	259	259	259	259	259	259	259
Aquaculture	103	103	103	103	103	103	103	103	103
Livestock	27	27	29	29	29	29	29	29	29
Self-Supplied Domestic	13	13	13	13	13	13	13	14	14
Shale Gas	11	10	9	8	0	0	0	0	0
Mining	6	6	6	7	9	10	11	12	14
Self-Supplied Commercial	5	6	6	6	6	6	7	7	7
TOTAL	**9,997**	**10,358**	**10,709**	**10,928**	**11,140**	**11,184**	**11,230**	**11,250**	**11,272**

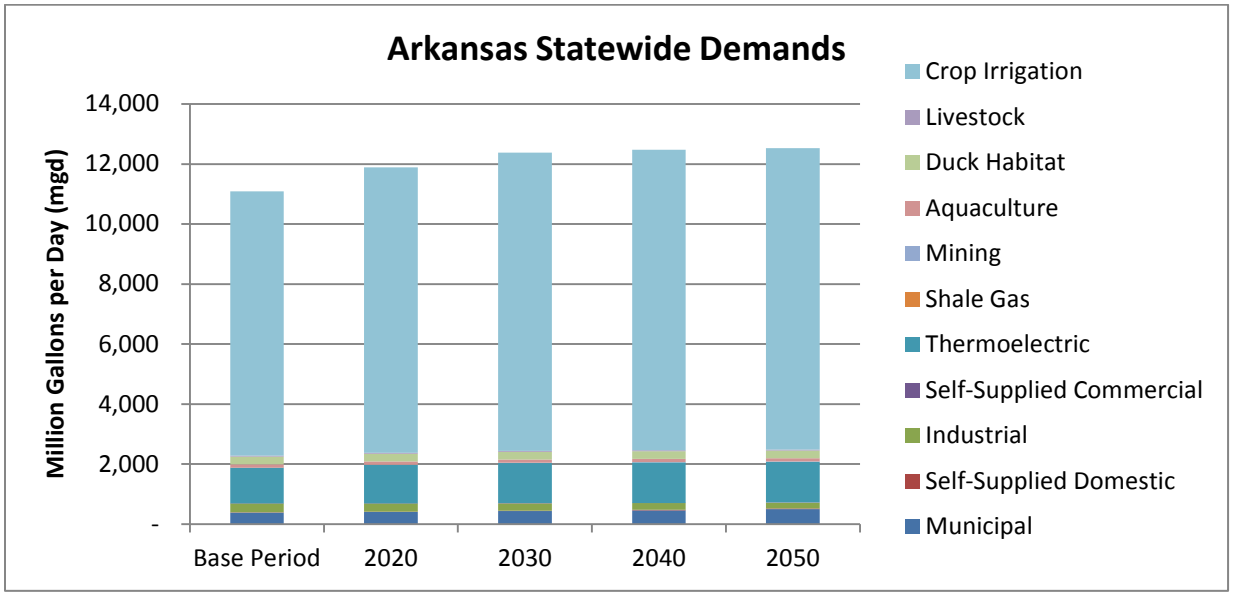


Figure 2.1 Statewide Water Demand, with Thermoelectric Withdrawals and Crop Irrigation

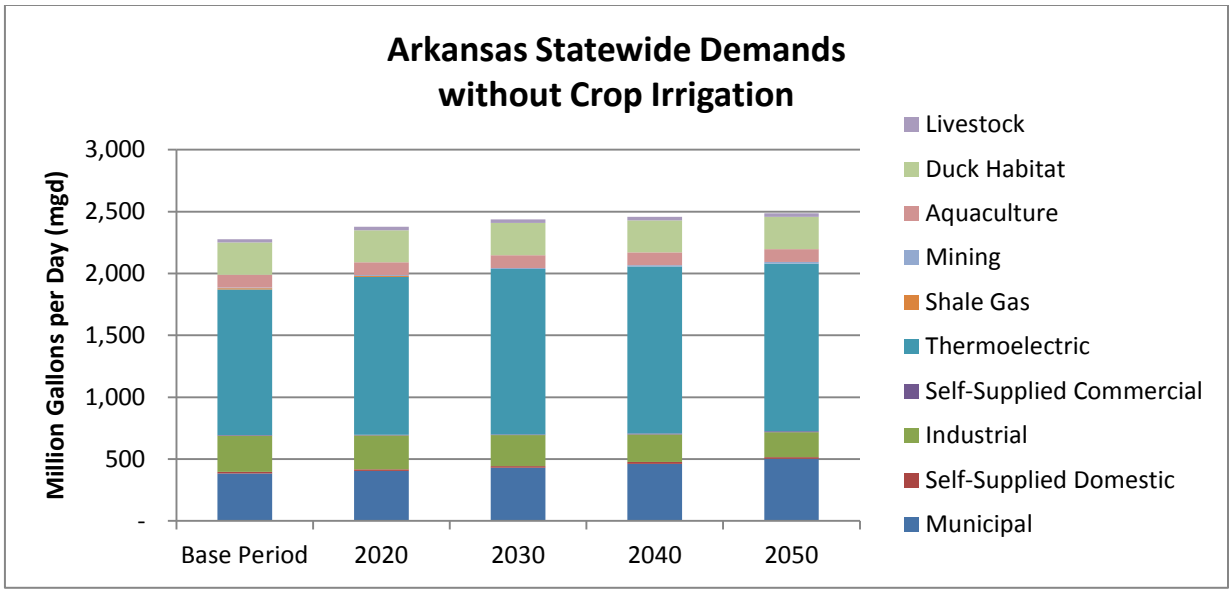


Figure 2.2 Statewide Water Demand, with Thermoelectric Withdrawals, without Crop Irrigation

The water demand forecasts were aggregated for each of the five planning regions shown in **Figure 2.3**. The planning region boundaries do not necessarily follow county boundaries. Thus, some counties are divided between two or more planning regions. The re-aggregation of the water demand forecasts by region results in a slightly different total water demand due to rounding. The total water demand forecast by region is summarized in **Table 2.3** including the thermoelectric power withdrawal demands and crop irrigation, and in **Table 2.4** including the thermoelectric power withdrawals but without crop irrigation demands. These demands are illustrated in **Figures 2.4** and **2.5**, respectively.

The East Arkansas Water Resources Planning Region is the highest water use region of the state and is dominated by agricultural activity and crop irrigation. When crop irrigation water demand is considered, the East region uses about 80 percent of the statewide total water demand (excluding navigation). Excluding crop irrigation, the East region uses only about 19 percent of statewide water demand and the West-Central region is the dominate water using region at about 39 percent of statewide water use due to the thermoelectric power generating withdrawals in the region.

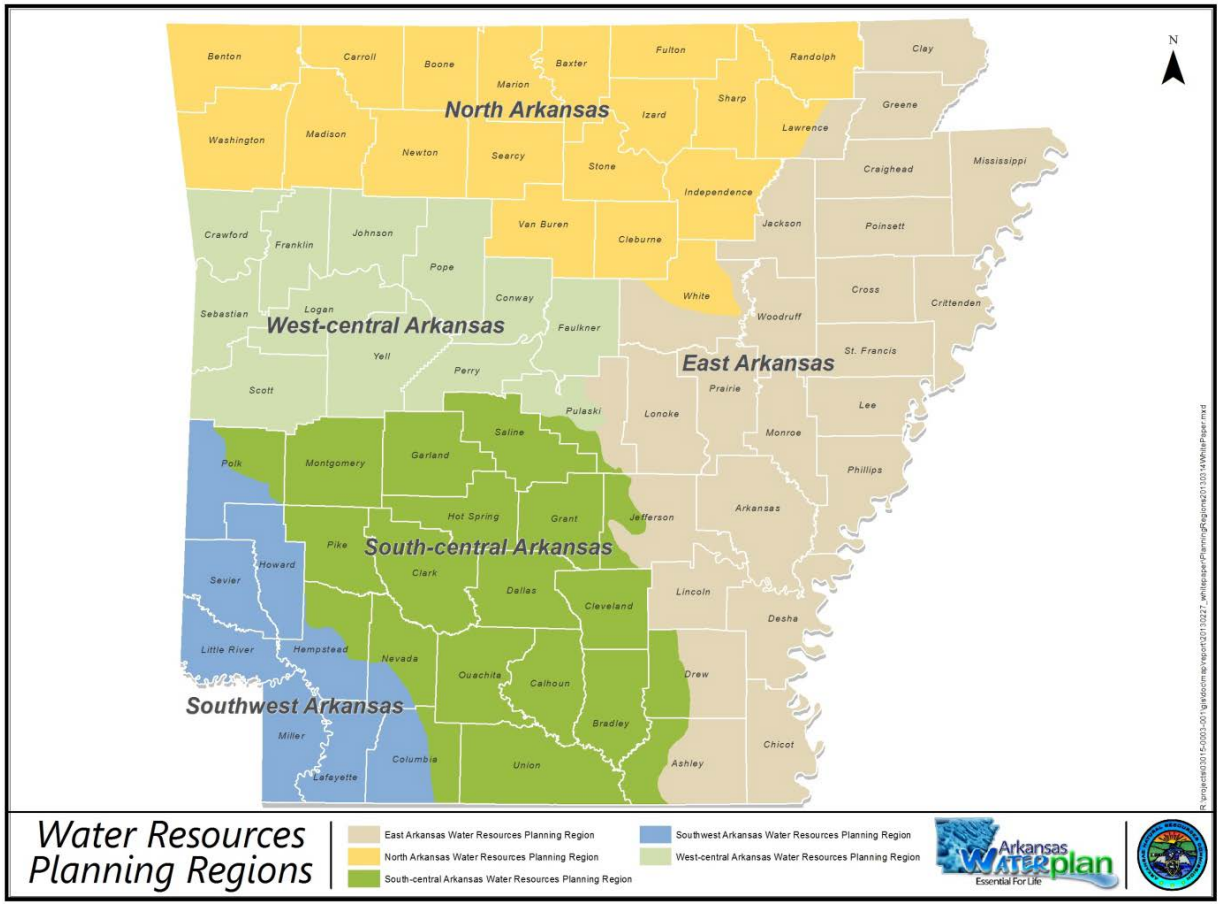


Figure 2.3 State Water Resource Planning Regions

Table 2.3 Statewide Water Demand by Region in MGD, with Thermoelectric Withdrawals

Region	Base Period	2020	2030	2040	2050
East Arkansas	8,864	9,524	9,936	10,007	10,020
North Arkansas	913	940	1,028	1,054	1,083
South-Central Arkansas	212	237	232	233	234
Southwest Arkansas	201	199	197	195	194
West-Central Arkansas	910	990	991	996	1,003
TOTAL	**11,099**	**11,891**	**12,385**	**12,486**	**12,534**

Table 2.4 Statewide Water Demand by Region in MGD, with Thermoelectric Withdrawals and without Crop Irrigation

Region	Base Period	2020	2030	2040	2050
East Arkansas	478	480	474	472	471
North Arkansas	553	539	617	643	672
South-Central Arkansas	212	237	232	233	234
Southwest Arkansas	159	164	156	147	141
West-Central Arkansas	892	974	975	980	987
TOTAL	**2,294**	**2,395**	**2,454**	**2,476**	**2,504**

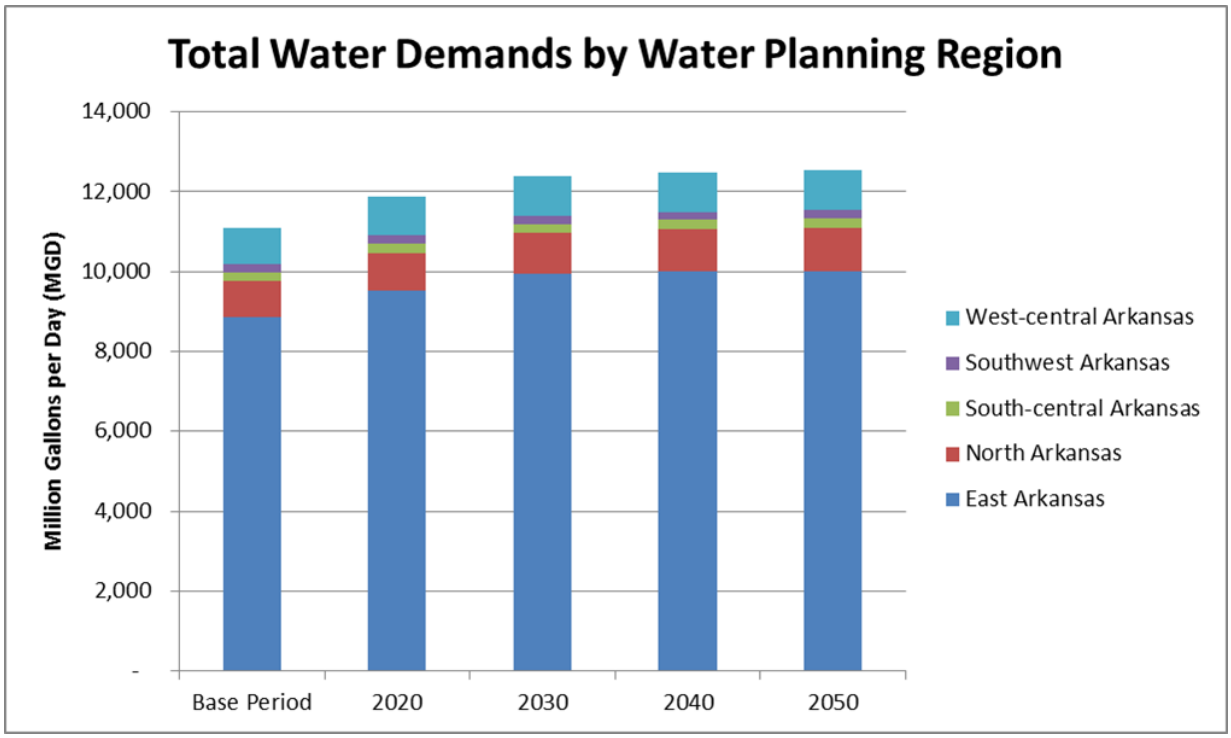


Figure 2.4 Statewide Water Demand by Region, including Thermoelectric Power Withdrawals

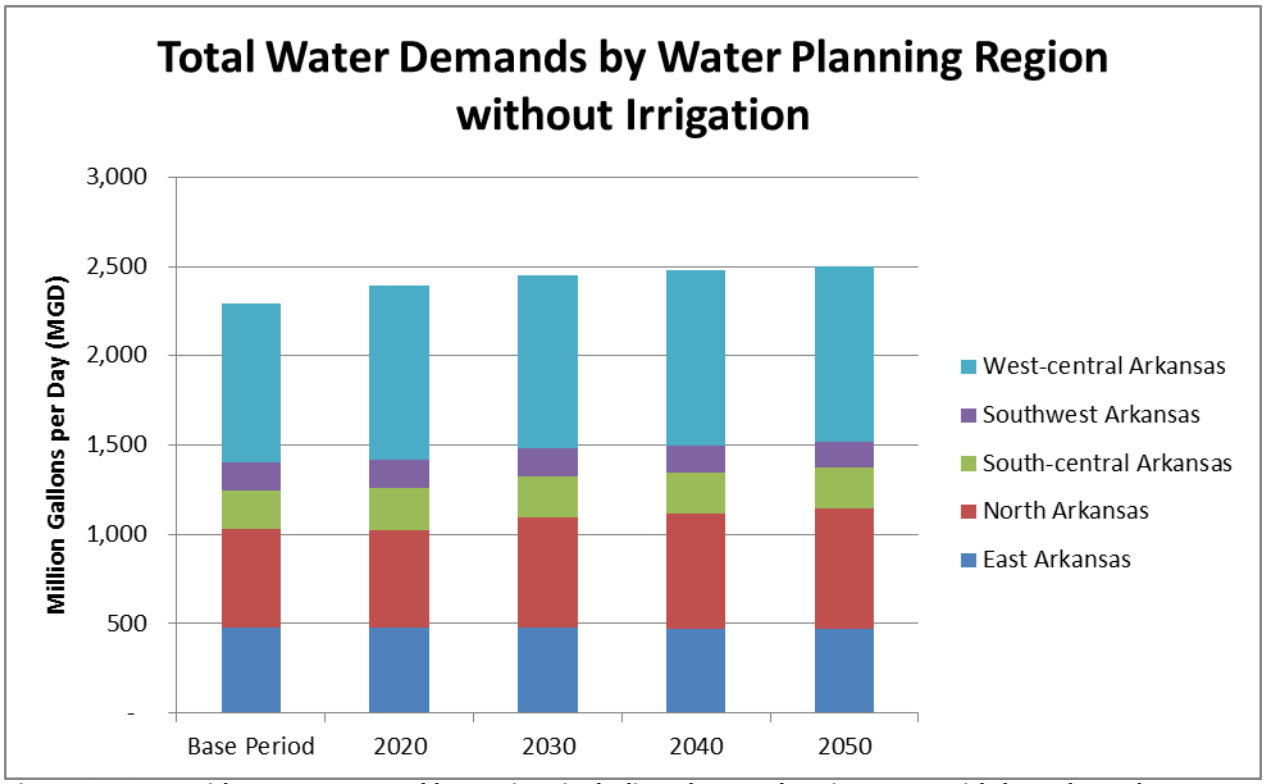


Figure 2.5 Statewide Water Demand by Region, including Thermoelectric Power Withdrawals, and without Crop Irrigation

The water demand forecasts were also quantified by source of supply (i.e., groundwater aquifer or surface water basin). **Table 2.5** shows the statewide annual water demand by sector, the base period percent of water by source for each sector, and the base period and 2050 mgd for each sector by source. Overall, about 71 percent of statewide water demand (including thermoelectric power withdrawals) is from groundwater sources. Because of assumptions made in the demand forecasting methodology of each sector, these percentages are assumed to remain fairly constant to 2050.

Table 2.5 Water Demand Forecast by Source in MGD, with Thermoelectric Power Withdrawals

Sector	Base Period		Base Period mgd		2050 mgd	
	%GW	%SW	GW	SW	GW	SW
Crop Irrigation	84.2%	15.7%	7,427	1,388	8,459	1,580
Thermoelectric	0.3%	99.7%	3	1,174	3	1,351
Municipal	29.4%	70.6%	113	271	109	394
Industrial	24.6%	75.4%	72	219	52	149
Duck Habitat	36.4%	63.6%	94	165	94	165
Aquaculture	100.0%	0.0%	103	—	103	–
Livestock	39.9%	60.1%	11	16	12	18
Self-Supplied Domestic	100.0%	0.0%	13	—	14	–
Shale Gas	0.0%	100.0%	–	11	–	–
Mining	15.5%	84.5%	1	5	2	12
Self-Supplied Commercial	17.5%	82.5%	1	4	1	6
TOTAL			7,838 71%	3,254 29%	8,849 71%	3,675 29%

3.0 Demographic Projections

The water demand forecasts developed for the AWP Update are based upon base period water use information and future projections of population and employment. (Note that projections for the agricultural water demand forecast are described separately.) Projections of future population and employment are "drivers" of the future water demand for many of the water use sectors described in this report.

3.1 Population Projections

There are three sets of population projections available for the State of Arkansas with projections of future population by county:

- Woods & Poole Economic, Inc. (W&P) – projected through 2040, extended to 2050, usually the highest of the three forecasts
- University of Arkansas Institute of Economic Advancement (AIEA) – projected through 2030, extended to 2050, usually the middle of the three forecasts
- Arkansas Natural Resource Commission Water Resources Development Division (ANRC) – projected through 2050, usually the lowest of the three forecasts

Note that not all counties are consistently high, medium, and low for each data source so some exceptions occur to these categories of high, medium, and low on a county by county basis. All three sets of projections indicate that some counties will experience negative population growth. General characteristics of the population scenarios are shown in **Table 3.1**.

Table 3.1 Summary Characteristics of Population Projections

	ANRC	AIEA	W&P
Overall Average Growth	2%	10%	23%
Counties with Positive Growth	47	45	55
Maximum Growth Rate	83%	152%	195%
Counties with Negative Growth	25	30	20
Minimum Growth Rate	-45%	-71%	-30%

The population projections by county and scenario are provided in **Appendix A** of this report. **Figure 3.1** and **Table 3.2** show the statewide total population projection from each of the three scenarios.

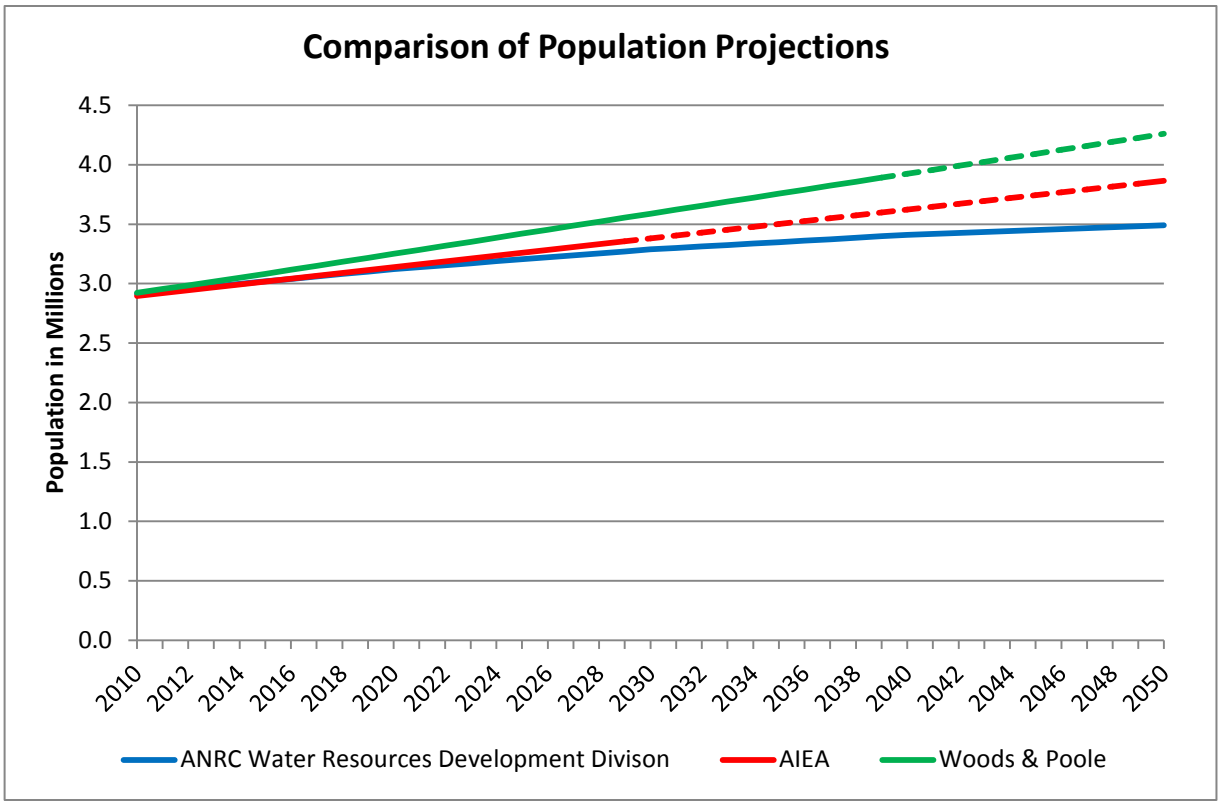


Figure 3.1 Comparison of Population Projections

Table 3.2 Population Scenarios for State of Arkansas in Millions

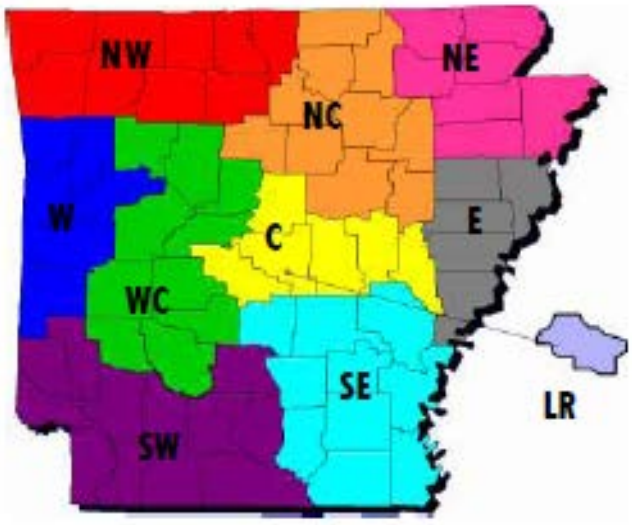
	2010	2015	2020	2025	2030	2035	2040	2045	2050
W&P	2.916	3.082	3.250	3.420	3.589	3.756	3.924	4.098	4.285
AIEA	2.916	3.018	3.139	3.260	3.381	3.509	3.649	3.801	3.966
ANRC	2.916	3.019	3.122	3.205	3.288	3.349	3.410	3.450	3.491

3.2 Employment Projections

The industrial and mining water demand forecasts are driven by economic activity. A common metric used to represent economic activity and drive future industrial water demand is employment. Employment projections developed by the Arkansas Department of Workforce Services (DWS) by business type (3-digit North American Industrial Classification System [NAICS]) for 10 local Workforce Investment Areas (WIAs) through 2018 are used to drive the industrial water demands through 2020. Each WIA consists of between 5 and 12 counties, with the exception of the City of Little Rock, which is its own WIA. From 2020 through 2050, W&P county-level general manufacturing (NAICS 31 to 33) employment rates of growth are used to drive industrial water demands in each county.

3.2.1 Arkansas Department of Workforce Services Employment Projections

The Arkansas DWS is a state agency that has developed employment projections by business type through 2018 for 10 WIAs throughout the state (see **Figure 3.2**). WIA projections have been developed at the 4-digit NAICS level for many business types based upon historical trends.



NW – Baxter, Benton, Boone, Carroll, Madison, Marion, Newton, Searcy, Washington
NC – Cleburne, Fulton, Independence, Izard, Jackson, Sharp, Stone, Van Buren, White, Woodruff
NE – Clay, Craighead, Greene, Lawrence, Mississippi, Poinsett, Randolph
W – Crawford, Franklin, Logan, Polk, Scott, Sebastian
WC – Clark, Conway, Garland, Hot Spring, Johnson, Montgomery, Perry, Pike, Pope, Yell
C – Faulkner, Lonoke, Monroe, Prairie, Saline, Pulaski (excludes Little Rock)
LR – City of Little Rock
E – Crittenden, Cross, Lee, Phillips, St. Francis
SW – Calhoun, Columbia, Dallas, Hempstead, Howard, Lafayette, Little River, Miller, Nevada, Ouachita, Sevier, Union
SE – Arkansas, Ashley, Bradley, Chicot, Cleveland, Desha, Drew, Grant, Jefferson, Lincoln

Figure 3.2 Employment Projections throughout the State

It is assumed that the projected WIA rate of growth by business type is applicable to all counties within the WIA. That is to say, it is assumed that all counties in their respective WIA will experience growth or decline in employment by industry type proportionally. Water demands are reported on a decadal basis from the base year (2010) to 2050. Therefore, the rate of growth in employment from 2010 to 2018 as developed by the DWS is applied to baseline industrial water demands to derive 2020 water demands. That is to say, the 2010 to 2018 projected employment rate of growth is assumed to persist through 2020 for the purposes of forecasting and reporting industrial water demands.

3.2.2 Woods & Poole Employment Projections

W&P is an independent firm that specializes in long-term county economic and demographic projections. For its most recently published employment projections (The Complete Economic and Demographic Data Source [CEDDS 2012]) W&P developed county-level employment projections for Arkansas by business type at the 2-digit NAICS level from 2010 to 2040. W&P projects county

employment for the following industry categories. The manufacturing (industrial) and mining employment growth rates are used in the respective water use sectors.

- NAICS 11: Farming
- NAICS 11: Forestry, Fishing, Related Activities, and Other
- **NAICS 21: Mining**
- NAICS 22: Utilities
- NAICS 23: Construction
- **NAICS 31-33: Manufacturing**
- NAICS 42: Wholesale Trade
- NAICS 44-45: Retail Trade
- NAICS 48-49: Transportation & Warehousing
- NAICS 51: Information
- NAICS 52: Finance and Insurance
- NAICS 53: Real Estate and Rental and Lease Employment
- NAICS 54: Professional & Technical Services
- NAICS 55: Management of Companies & Enterprises
- NAICS 56: Administrative & Waste Services
- NAICS 61: Educational Services
- NAICS 62: Healthcare and Social Assistance
- NAICS 71: Arts, Entertainment, and Recreation
- NAICS 72: Accommodation & Food Services
- NAICS 81: Other Services, Except Public Administration
- NAICS 92: Federal Civilian Government
- NAICS 92: Federal Military
- NAICS 92: State and Local Government

W&P presents county-level employment projections annually from 2010 through 2020, then at 5-year increments from 2020 through 2040. Thus, an extrapolation of these projections is necessary in order to forecast industrial water demands from 2040 to 2050. It is assumed that the county-level employment rate of growth from 2035 to 2040 remains constant through 2050.

Appendix B of this report lists the employment growth rates by county for the industrial NAICS and for mining.

4.0 Municipal (Public-Supply)

Water use among publically-supplied municipal (includes all publically-supplied users except some large water-using industries) water users by county is projected into the future based upon the rate of growth of the county population.

4.1 Base Period Water Use

Base period water use for each county was obtained from either the Department of Health (DOH) Sanitary Survey or WUDBS. WUDBS data are reported for water users with the capability to withdraw 50,000 gpd of groundwater or 1 acre-foot per year (AFY) of surface water. The WUDBS data for 2008 to 2010 are averaged to provide an average base period water use. Where public-supplied municipal water withdrawals are identified for mining or industrial use, these water volumes are subtracted from the volume of municipal water use. (These volumes are accounted for in their respective sector

demand estimates.) The reported municipal water volume is divided by the reported population served to derive a gallon per capita per day (gpcd) rate of use for each municipality.

The DOH data consists of community non-transient water systems data, and reports annual average water demand for the reporting year. The DOH data are updated on a 3-year rotating basis and therefore may reflect water use of any single year between 2008 and 2012. The reported municipal water volume is divided by the reported population served to derive a gpcd rate of use for each municipality.

The gpcd rates from the WUDBS and DOH data for municipalities in each county are weighted by the respective population served to derive a county average gpcd to represent the base period publically-supplied municipal water use for each county. The weighted average per capita use for each county includes some imbedded commercial and industrial water use, as well as distribution system losses.

The county average gpcd is multiplied by the county population that is served by municipal systems to derive an estimate of the publically-supplied municipal water demand. USGS 2010 data reports the percent of each county population that is served by municipal water systems.

4.2 Future Water Use

The percent of county population that is publicly served is assumed constant into the future. That is, as the county population increases, the number of people that are served by public systems, and the number not served, increase at the same rate.

As describe in Section 3, there are three sources of population projections (W&P – high; AIEA – medium; and ANRC – low). Thus, three municipal water demand forecast scenarios are developed.

Future publically-supplied municipal water demands are calculated by multiplying the future county population of each scenario times the percent of county population served by public systems, times the adjusted gpcd rate of water use for the county. The statewide total municipal water demand as determined by these three scenarios is shown in **Table 4.1**. The demand forecasts by county are included in **Appendix C** of this report.

Table 4.1 Municipal Statewide Demands by Scenario in MGD

Scenario	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
W&P	384.5	407.5	430.6	454.0	477.3	500.3	523.4	547.4	573.2
AIEA	384.5	399.5	416.6	433.7	450.8	468.8	488.5	510.0	533.4
ANRC	384.5	398.7	413.0	424.3	435.5	443.8	452.1	457.3	462.5
With Conservation									
W&P	384.5	401.0	418.4	437.0	456.0	475.4	495.3	516.4	539.4
AIEA	**384.5**	**393.0**	**404.8**	**417.5**	**430.9**	**445.7**	**462.7**	**481.6**	**502.7**
ANRC	384.5	392.3	401.3	408.3	416.1	421.6	427.7	431.2	435.0

A water efficiency adjustment to the base per capita water use is made over time to account for the phasing out and replacement of older toilets (passive water conservation based on the 1992 Energy Policy Act that changed flow standards for certain plumbing fixtures). Thus, there is a "passive conservation" scenario in conjunction with each of the three population scenarios. The effect of the passive conservation from plumbing codes is about a 6 percent reduction in municipal water use by 2050. Table 4.1 also shows the conservation adjusted statewide municipal water demands.

The mid-range AIEA scenario with the passive conservation adjustment is used in developing demand projections for the AWP Update.

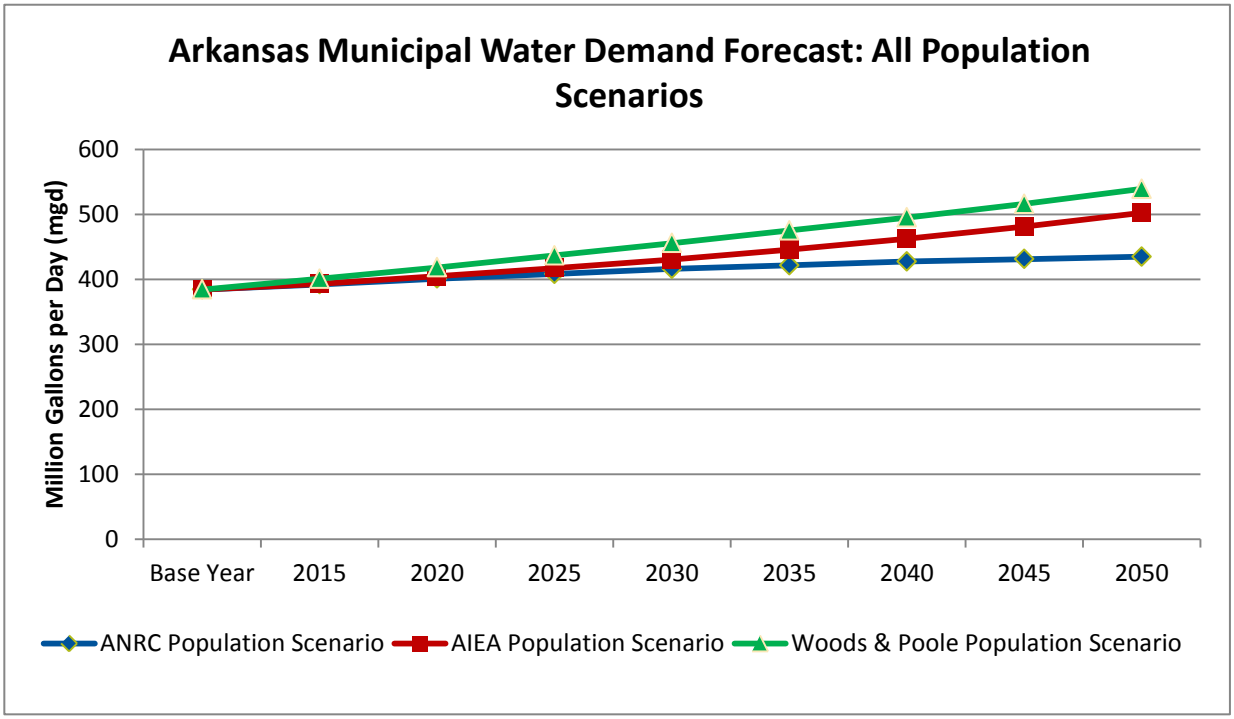


Figure 4.1 Arkansas Municipal Water Demand Forecast: All Population Scenarios

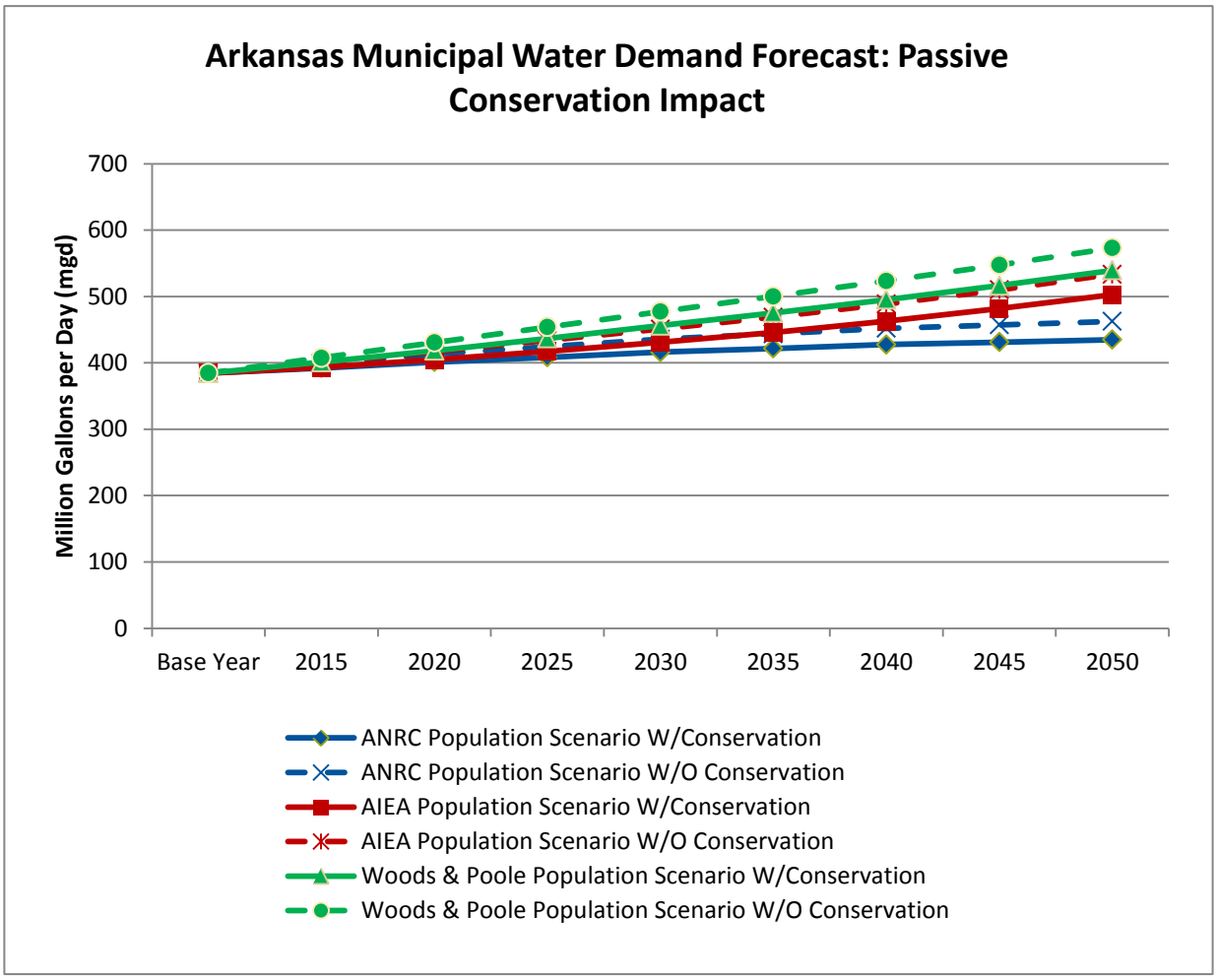


Figure 4.2 Arkansas Municipal Water Demand Forecast: Passive Conservation Impact

4.3 Water Sources

The municipal data from the WUDBS data contains either an aquifer ID for groundwater sources or HUC ID for surface water sources. The DOH data may indicate a specific aquifer or HUC, simply indicate "well," or provide the name of the spring. Water from unknown, or unidentified, groundwater sources is assigned to the "most likely" aquifer based on the predominant reported groundwater aquifer use identified in the *2011 Arkansas Ground-Water Protection and Management Report*. Groundwater demands for the base period and future forecast were assigned to the known or "most likely" aquifer(s).

A ratio of groundwater to surface water is derived from the base period publically-supplied municipal water volume by aquifer and HUC for each county. This proportion of surface to groundwater is maintained into the future for each county. Statewide the publically-supplied municipal water demand is about 71 percent surface water in the base period increasing to about 78 percent surface water in 2050. Many of the counties with higher rates of population growth are primarily on surface water, and many counties with little or no population growth are mostly on groundwater. Thus, statewide there is a gradual shift to surface water among municipal use as population grows.

4.4 Withdrawals, Consumptive Use, and Water Balance Considerations

The portion of publically-supplied municipal water use that is consumptive use (i.e., not returned to an aquifer or water body) is variable depending upon customers (i.e., domestic, commercial, industrial that are not included in the industrial forecast), seasonal variation, and percent of indoor versus outdoor water use. Source water is conveyed, treated, and distributed to customers with some losses. Some municipal water customers may be on septic systems with the outflow assumed to not reach an aquifer or water body. However, most wastewater from municipal water customers is likely to be treated at wastewater treatment facilities and discharged to a stream or water body. Water that is not returned may be associated with irrigation, cooling towers, or other evaporative losses. A detailed accounting of municipal return flows was beyond the scope of this project.

5.0 Self-Supplied Domestic

The population of each county that is not supplied water from a municipal water system is assumed to be self-supplied domestic water users. USGS 2010 data reports the percent of each county population that is served, and not served, by municipal water systems. In addition, USGS data is used to determine county self-supplied gpcd. Self-supplied water use is projected into the future based upon the rate of county population growth.

The percentages of county population that are publicly-served and not served are assumed constant into the future. That is, as the county population increases, the number of people that are served by public systems, and the number not served, increase at the same rate.

There are three population projections (W&P –high; AIEA – medium; and ANRC – low) of future county population to the year 2050. Thus, there are three self-supplied domestic water demand forecast scenarios. These are summarized at the statewide level in **Table 5.1**. Details by county are provided in **Appendix D**.

Table 5.1 Self-Supplied Domestic Statewide Demands by Scenario in MGD

Scenario	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
W&P	13.1	13.6	14.1	14.6	15.1	15.6	16.1	16.6	17.1
AIEA	13.1	13.4	13.6	13.9	14.1	14.4	14.7	15.0	15.3
ANRC	13.1	13.2	13.3	13.4	13.5	13.6	13.6	13.7	13.7
With Conservation									
W&P	13.1	13.2	13.4	13.6	13.9	14.2	14.5	14.9	15.3
AIEA	**13.1**	**13.0**	**12.9**	**13.0**	**13.0**	**13.1**	**13.3**	**13.5**	**13.7**
ANRC	13.1	12.9	12.7	12.6	12.5	12.4	12.3	12.3	12.3

Future self-supplied domestic water demands are calculated by multiplying the future county population of each scenario times the percent of county population not served by public systems, times the USGS gpcd rate of self-supplied domestic water use for the county. An adjustment to the base per capita water use is made over time to account for the phasing out and replacement of older toilets (passive water conservation based on the 1992 Energy Policy Act that changed flow standards for certain plumbing fixtures). The effect of the passive conservation from plumbing codes is about a 10 percent reduction in self-supplied domestic water use by 2050.

All self-supplied domestic use is assumed to be groundwater. No return flows are anticipated from self-supplied domestic use.

The mid-range AIEA scenario with the passive conservation adjustment is used for the demand projections in the AWP Update.

6.0 Self-Supplied Commercial

Water use among self-supplied commercial water users (i.e., camp grounds, resorts, stores) by county is projected into the future based upon the rate of growth of the county population.

6.1 Base Period Water Use

Base period water use for each county was obtained from either the WUDBS or the DOH. WUDBS data are reported for water users with the capability to withdraw 50,000 gpd of groundwater or 1 AFY of surface water, and includes monthly water use for the reporting year. The WUDBS data for 2008 to 2010 are averaged to provide an average base period water use. The DOH data include both non-community non-transient water systems and non-community transient water systems, and reports annual average water demand for the reporting year. The DOH data are updated on a 3-year rotating basis and therefore may reflect water use of any single year between 2008 and 2012. The WUDBS average and DOH available data are summed to represent the base period self-supplied commercial water use for each county.

6.2 Future Water Use

Future self-supplied commercial water demands are calculated by applying the county population rate of growth to base year county commercial water demands. The three population projections (W&P – high; AIEA – medium; and ANRC – low) are used to derive three commercial water demand forecast scenarios. The statewide summary of future water demands are shown in **Table 6.1**. Details are provided in **Appendix E**. About 55 percent of counties have self-supplied commercial water use, and the AIEA population growth rate for many of these counties is higher than the population growth rate suggested by ANRC or W&P. Thus, the AIEA scenario generates the highest self-supplied commercial future water demand.

Table 6.1 Self-Supplied Commercial Water Demand in MGD

	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
AIEA	5.35	5.67	5.87	6.07	6.27	6.47	6.69	6.91	7.15
W&P	5.35	5.54	5.72	5.92	6.11	6.30	6.49	6.68	6.88
ANRC	5.35	5.48	5.61	5.70	5.79	5.84	5.89	5.91	5.93

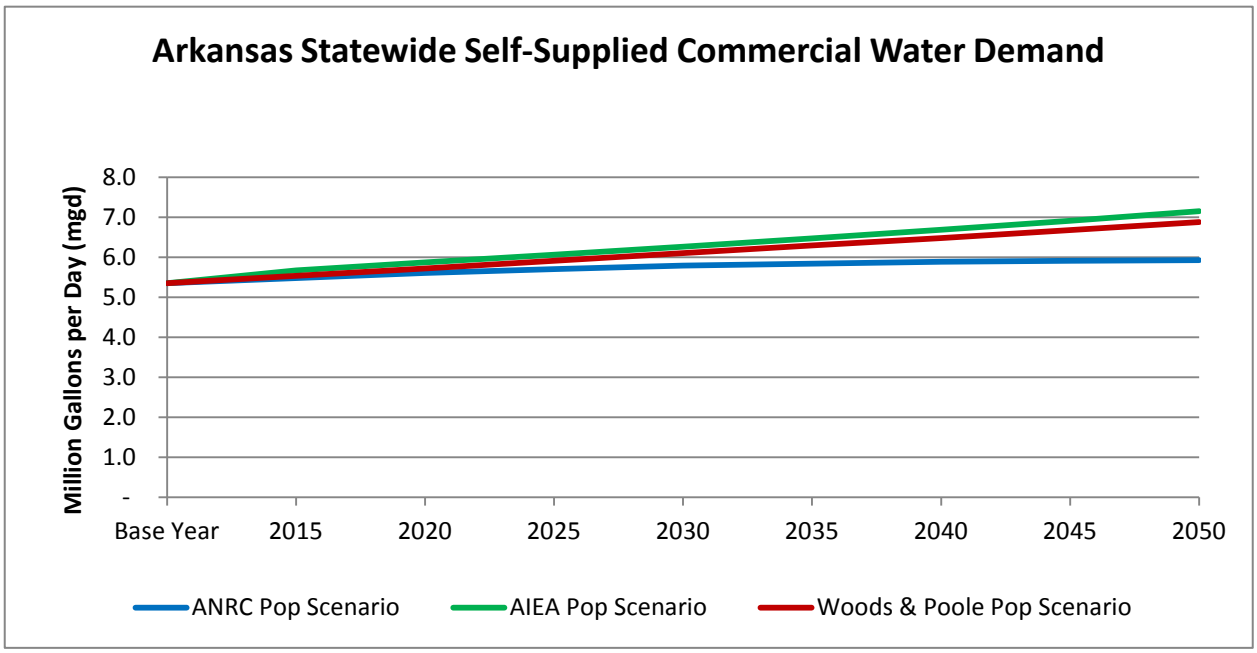


Figure 6.1 Arkansas Statewide Self-Supplied Commercial Water Demand

6.3 Water Sources

The self-supplied commercial data from the WUDBS data contains either an aquifer ID for groundwater sources or point data and HUC 8 ID for surface water sources. A ratio of groundwater to surface water is derived from the base period self-supplied commercial water volume for each county. This proportion of surface to groundwater is maintained into the future. The percent of base period water use in the county by aquifer and point location/HUC 8 is derived from the base period self-supplied commercial water information.

The DOH data for groundwater withdrawals may indicate a specific aquifer or simply indicate "well." Groundwater withdrawals that have unknown, or unidentified, sources are assigned to the "most likely" aquifer of the county. The most likely aquifer is the predominant reported groundwater aquifer use identified in the *2011 Arkansas Ground-Water Protection and Management Report*.

The DOH data for surface water withdrawals specifies either a HUC 8 ID or the name of the spring. If surface water location data was unknown the demands were randomly distributed within the county, within a constrained area (based on HUC 8s).

6.4 Withdrawals, Consumptive Use, and Water Balance Considerations

The portion of self-supplied commercial water use that is consumptively used (i.e., not returned to an aquifer or water body) is assumed to be minimal. It is further assumed that these users are on septic systems. Thus, no significant water returns to aquifer or streams are anticipated from the self-supplied commercial users.

7.0 Industrial

Water use among industrial water users by county is projected into the future based upon the rate of growth of the county employment. Employment data were obtained from two sources as described in Section 3. Industrial water use was obtained from self-supplied users and large users from publically-supplied industries.

7.1 Base Period Water Use

Base period water use for each county was obtained from the WUDBS. The WUDBS data for 2008 to 2010 are averaged to provide an average base period water use for each county. WUDBS data are reported for water users with the capability to withdraw 50,000 gpd of groundwater or 1 AFY of surface water, and includes monthly water use for the reporting year. Entities in the WUDBS determined to be industrial water users may be classified within the WUDBS as: (a) industrial users, (b) municipally-supplied withdrawals identified for industrial use, (c) non-community systems with corporate names, or (d) commercial self-supplied withdrawals determined to be industrial users (e.g., a bottling company).

Withdrawal entities registered in WUDBS as industrial users include an identifier by Standard Industrial Classification (SIC) or NAICS code. (Note that in 1997, the Department of Commerce changed from the SIC system to the NAICS for identification of business types.) Where the specific industry type of an entity could not be identified, the 2-digit NAICS code (31 – manufacturing) was used.

Base period water use was identified in 61 of the 75 counties, and totaled about 291 mgd statewide.

7.2 Future Water Use

Future industrial water demands are calculated by applying the county employment rate of growth (rate of growth can be positive or negative) to the base year county industrial water demand. The employment growth rates are derived from two sources. The Arkansas DWS projects employment by 3-digit NAICS from 2008 to 2018 by WIA. There are nine WIAs for the state, thus each county is associated with one of the nine WIAs. The employment growth rate by NAICS for each WIA was applied to corresponding counties within each WIA. Thus, the WIA growth rates are used to project county employment by 3-digit NAICS to 2018 (for forecasting, this rate was extended statistically to 2020 to align with the decadal forecast periods).

Six of the nine WIAs, plus the City of Little Rock, have projected declines in manufacturing employment from 2008 to 2018 in the DWS employment projections.

W&P employment projections are available for Arkansas at the county level at the 2-digit NAICS to the year 2040. From 2020 to 2040, the employment growth rate at the 2-digit NAICS level for each county is used. Thus, all industries within a county are projected to increase or decrease at the same rate. The county 2-digit NAICS employment rate of growth (positive or negative growth) from 2035 to 2040 is used to project growth from 2040 to 2050. The employment growth rates by county are in **Appendix B** of this report.

Six of the nine WIAs, plus the City of Little Rock, have projected declines in manufacturing employment from 2008 to 2018 in the DWS employment projections. Some counties have projected increases in manufacturing employment in the W&P projections from 2020 to 2040. However, statewide the W&P projections show continued decline in manufacturing employment. Base period

water use is matched with employment growth rates by county and NAICS. Thus some individual county forecasts of industrial water demand show an increase over time, but the majority of counties show a decrease in industrial water demand. **Appendix F** has the industrial water demand forecasts by county. Statewide industrial water demand is projected to decline about 30 percent from 291 mgd in the base period to about 202 mgd in 2050.

7.3 Water Sources

The industrial data from the WUDBS data contains either an aquifer ID for groundwater sources or point data surface water sources. The proportion of surface to groundwater withdrawal is maintained into the future.

Groundwater withdrawals that have unknown, or unidentified, sources are assigned to the "most likely" aquifer of the county. The most likely aquifer is the predominant reported groundwater aquifer use identified in the *2011 Arkansas Ground-Water Protection and Management Report*.

Surface water withdrawals that have unknown or unidentified sources are randomly distributed within the county, within a constrained area (based on HUC 8s). About 75 percent of the industrial water demand is from surface water.

7.4 Withdrawals, Consumptive Use, and Water Balance Considerations

The portion of industrial water use that is consumptive use (i.e., not returned to an aquifer or water body) may vary by type of industry and the way water is used. For statewide planning purposes, consumptive use by industry is typically not a major factor to be investigated in detail unless there are extremely large consumptive withdrawals or major transfers between sources of supply that may warrant future analysis of resource implications.

8.0 Mining

Water use among self-supplied mining water users by county is projected into the future based upon the rate of growth of the county mining employment.

8.1 Base Period Water Use

Base period water use for each county was obtained from the Water Use Registration Program (WUDBS). WUDBS data are reported for water users with the capability to withdraw 50,000 gpd of groundwater or 1 AFY of surface water, and includes monthly water use for the reporting year. The WUDBS data for 2008 to 2010 are averaged to provide an average base period water use for each county. Water use for mining activity is identified in 24 counties. Statewide total water use for mining in the base period is 6.1 mgd. Almost half of this water demand occurs in Izard County.

8.2 Future Water Use

Future self-supplied mining water demands are calculated by applying the county mining employment (NAICS 212) rate of growth to base year county mining water demands. From 2010 to 2020 the mining employment growth rate is obtained from the WIA in which the county is located. WIA employment projections are at the 3-digit NAICS level (i.e., NAICS 212) and only run through 2018. Mining employment is projected to increase from 2010 to 2018 in only two of the nine WIAs (i.e., 19 counties). From 2020 to 2050 the mining employment growth rate is obtained from W&P employment projections by county, which is at the 2-digit NAICS level for mining (i.e., NAICS 21). The W&P projections indicate increasing mining employment in 34 counties. Employment growth rates by

county are listed in **Appendix B**. County level estimates of future mining water demand are listed in **Appendix G**. The 6.1 mgd for mining water use in the base period is expected to increase to 14 mgd statewide by 2050.

8.3 Water Sources

The self-supplied mining data from the WUDBS data contains either an aquifer ID for groundwater sources or HUC ID for surface water sources. Thus the county level growth in mining water use can be applied to aquifers and basins. About 85 percent of mining water is obtained from surface water sources.

8.4 Withdrawals, Consumptive Use, and Water Balance Considerations

The portion of self-supplied mining water use that is consumptively used (i.e., not returned to an aquifer or water body) is assumed to be minimal.

9.0 Shale Gas

Water use for self-supplied shale gas development/water use by county is projected into the future based upon an industry specific methodology and assumptions developed in coordination with the shale gas workgroup. The primary water dependent activity in shale gas development is the hydraulic fracturing ("fracking") process. Data from the WUDBS appears to under estimate water used for this purpose based on literature sources and experience of the shale gas production company representatives. Additional data from the shale gas companies were provided to ANRC and used to develop a value for the amount of water used (4.73 million gallons [MG] per well; with about 3.7 MG from surface water and 1.03 MG from diffuse water) to hydraulic fracture a well.

9.1 Base Period Water Use

The historical number of wells for shale gas production in the state was obtained from the Arkansas Geologic Survey and Arkansas Oil and Gas Commission. There are currently (through 2012) about 4,598 wells active in nine counties that overlay the Fayetteville shale formation. Almost 90 percent of these wells are in the four-county area of Cleburne, Conway, Van Buren, and White Counties.

Only a few companies are registered in the WUDBS, which does not report the number of wells associated with specific MPID locations. The shale gas workgroup provided additional water use data that was combined with data regarding water use and well development data from 2009 to 2012. Thus, a 4-year average volume of water use of 4.73 MG per well was calculated and used with the 2010 number of wells to determine the base period water use. This average water use assumes that all water associated with a given well is used in the year that the well is drilled, and no re-fracturing (returning to further develop the well) occurs after the initial year of development. The nine-county total water demand in the base period is estimated to be 10.6 mgd. The forecasted water demand does not include any estimate of reuse water recovered after fracturing, or any estimates of "produced" water encountered during the well drilling/development process.

9.2 Future Water Use

It was estimated (based on literature sources) that a total of approximately 14,000 wells could be developed in the Fayetteville shale formation. This is about 10,000 more wells than are currently active. Historic well development trend data (2008-2012) was used to determine the number of new wells that are expected to be drilled and fractured over the planning horizon (as noted below, full development of the Fayetteville shale play is expected to occur in the mid-2020s). Based on the trend

data, the annual number of new wells is expected to decrease slightly until full development occurs; it is estimated that an average of about 500 wells could be drilled per year over the next approximately 13 years. If there is a significant increase in natural gas prices the above assumption should be revised.

The U.S. Department of Energy estimates an average well spacing of eight wells per square mile. The Arkansas Geological Survey estimates an average of six wells per square mile. For this analysis, an average of seven wells per square mile is assumed.

Geographic information system (GIS) analysis of the Fayetteville shale formation was used to determine the approximate area of potential development per county for the nine counties. A density of seven wells per square mile was used to determine a maximum potential number of wells per county. The assumed increase of 500 new wells per year is distributed proportionally among the nine counties based on 2012 existing well distribution. If the cumulative number of wells per county reaches the maximum potential number of wells for the county, then any additional new wells are distributed among the remaining counties (only Van Buren County reached maximum density, in 2024). The cumulative total of 14,000 possible shale gas wells was reached in the year 2026 with these assumptions.

The estimated number of new wells per county per year was used to estimate the annual water requirements for shale gas drilling by county. The nine-county total gradually declines to a rate of 7.8 mgd in 2026, as shown in **Table 9.1** and illustrated in **Figure 9.1**. Note that estimates of water use for 2012 are based upon actual drilling data, which falls below the projected number of wells per year.

Table 9.1 Shale Gas Water Demands in MGD

County	2010	2015	2020	2025	2026
Cleburne	2.1	1.4	1.3	1.6	1.6
Conway	2.1	2.0	1.8	2.3	2.2
Faulkner	1.1	0.8	0.7	0.9	0.8
Franklin	-	0.0	0.0	0.0	0.0
Independence	0.2	0.1	0.1	0.2	0.2
Jackson	0.0	0.1	0.0	0.1	0.1
Pope	0.0	0.1	0.1	0.1	0.1
Van Buren	2.6	3.1	2.7	-	-
White	2.4	2.5	2.3	2.9	2.8
Total	**10.6**	**10.1**	**9.1**	**8.0**	**7.8**

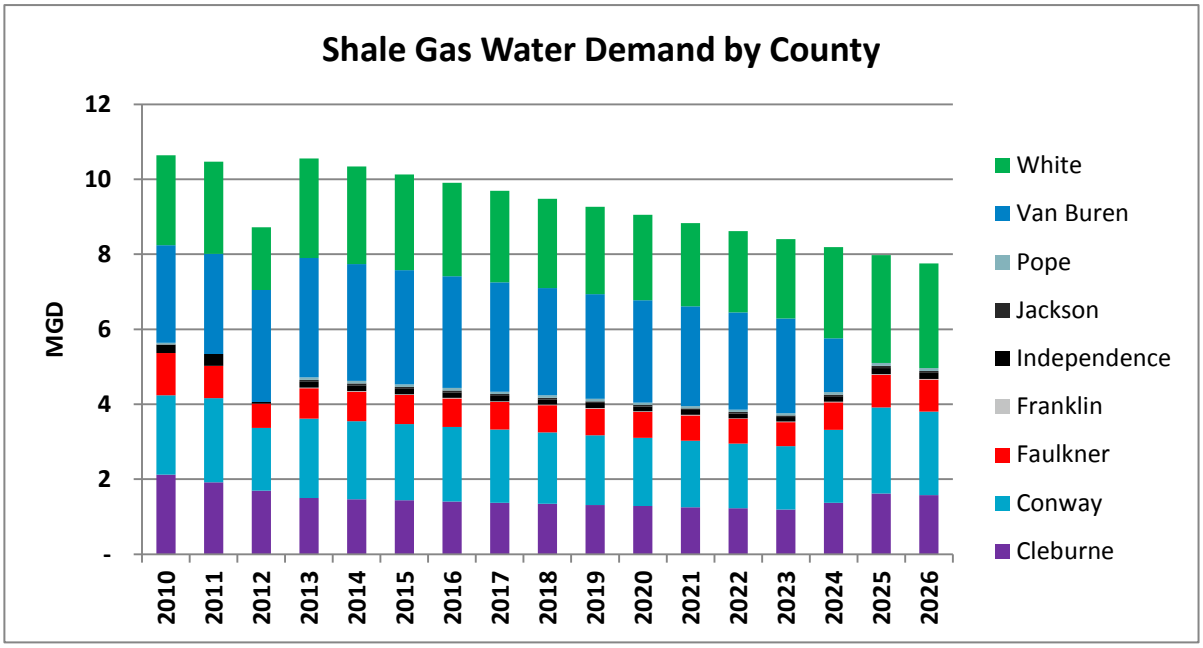


Figure 9.1 Shale Gas Water Demand by County

9.3 Water Sources

The source of self-supplied shale gas water is 100 percent from surface water. GIS analysis was used to overlay the Fayetteville shale area with surface water HUC areas [MPIDs were not used because of differences in calculated water use/demand and there is not a one-to-one relationship between MPID and individual well(s)]. The area of each HUC within the shale formation area was determined by county. Then the percent of county shale formation area in each HUC was determined. The future shale gas water demand by county is distributed among HUCs within the county proportionally. That is, the percent of water demand by HUC within the county is maintained into the future.

9.4 Withdrawals, Consumptive Use, and Water Balance Considerations

The portion of self-supplied shale gas water use that is consumptive use (i.e., not returned to an aquifer or water body) is assumed to be 100 percent for planning purposes. The water is assumed to remain deep within the shale formation. Some information suggests that a small to moderate percent (5 to 35 percent) of water used in the fracturing process may be recoverable, depending upon the operating procedures and site-specific conditions. The forecast also excludes any "produced" water that may have entered the well from penetrated aquifers.

9.5 Other Considerations to Note

The shale gas boom in Arkansas was not anticipated during the last water plan update. In light of this unforeseen increase demand for water, the planning team reviewed literature and mineral resource data for Arkansas to identify possible unknown future emerging resource development that might significantly affect future water use. Two potential resources were identified; Lignite and the Lower Smackover Brown Dense Formation (an unconventional oil reserve). In both cases information was not identified to provide an understanding of the feasibility, rate of possible development, or rate of water use. Information on these resources should be tracked over the coming years to determine more specific information on development potential and possible water use needs.

10.0 Thermoelectric Power

Water use among self-supplied thermoelectric power (power) water users by county is estimated for each major power generating facility in the state, and projected into the future taking into consideration fuel type, prime mover, cooling method, and three scenarios of regional projections of future power generation. Generating units with once-through cooling require significantly more water than units with cooling towers, although actual consumptive use may be similar. Plant specific withdrawal and consumption factors were developed using data from the WUDBS and input from thermoelectric energy producers in Arkansas.

10.1 Base Period Water Use

Base period water use for each generating unit of each facility was estimated with water withdrawal and water consumption factors developed with guidance from the workgroup. Forty generating units were identified in 19 counties. Many facilities have multiple generating units at the same location. A list of the generating units and the water withdrawal and consumption factors by generating and cooling types are listed in **Appendix H**. The water use factors (in gallons per megawatt hour [MWh]) are multiplied by the annual power generation (in MWh) for each unit, and then converted to mgd. Thus, a withdrawal mgd and consumption mgd are estimated for each generating unit. The withdrawal and consumptive use factors in gallons per MWh for each combination of fuel type and cooling type are listed in **Appendix H**.

The estimates of withdrawal and consumptive use by generating unit are aggregated by fuel type, county, and source of supply. The statewide estimate of water use for thermoelectric power generation in the base period is about 1,177 mgd for withdrawals and about 81 mgd consumptive use. More than 99 percent of water use for thermoelectric power is from surface water sources.

10.2 Future Water Use

Future self-supplied thermoelectric power water demands are based upon Department of Energy, Energy Information Agency (EIA) projections of power generation by regional pool and fuel type. The EIA projects future power generation for three scenarios—Reference, High, and Low. Power generating facilities in Arkansas are in one of two regional power pools. The rate of growth in power generation by fuel type by pool was assigned to the Arkansas facilities by fuel type and location in one of the two pools. EIA projections of power generation from 2010 to 2035 were extended to 2050 using the growth rate from 2034-2035 by power pool and fuel type.

Reported 2012 power generation by facility was aggregated by fuel type and power pool. The aggregate values are increased into the future based upon the fuel type and power pool, and then allocated back to individual generating facility units according to the proportion of 2010 to 2012 average power generation. Thus, power generation projected to 2050 is allocated among existing facilities. However, each facility has maximum generating capacity, which was developed with guidance from the work group. If the assigned allocated power generation in a given future year exceeds the facility maximum capacity, then no additional power generation is assigned at that facility and the "overload" is reassigned to all other facilities of the same fuel type that are not at maximum capacity. (This assignment of future generation is an iterative process, year by year to 2050.)

This allocation of future power generation among facilities is repeated for the Reference, High, and Low scenarios. Water demand estimates for withdrawal and consumption by facility for the three scenarios is included in **Appendix H**. The statewide total estimated future water demand for

thermoelectric power generation is shown in **Table 10.1** for withdrawals and consumptive use for the three scenarios. In the reference case scenario, total water withdrawals increase to 1,355 mgd in 2050 and 101 mgd consumptive use in 2050. The Reference Case scenario is used as the basis of the thermoelectric power water demands for the AWP Update.

Table 10.1 Thermoelectric Power Generation Water Demands in MGD

	2010	2015	2020	2025	2030	2035	2040	2045	2050
Withdrawals									
Reference Case	1,177	1,258	1,274	1,326	1,337	1,346	1,349	1,352	1,355
Low Growth	1,177	1,368	1,356	1,368	1,357	1,360	1,363	1,366	1,370
High Growth	1,177	1,368	1,363	1,366	1,368	1,379	1,409	1,471	1,580
Consumption									
Reference Case	81	98	99	99	99	100	100	101	101
Low Growth	81	99	99	100	98	99	99	100	100
High Growth	81	99	100	100	101	102	106	112	118

10.3 Water Sources

The self-supplied thermoelectric power data from the WUDBS data contain either an aquifer ID for groundwater sources or point data and/or HUC ID for surface water sources. The source of supply for some facilities not in the WUDBS was identified from EIA information. Where a facility has multiple water sources, a ratio of sources was developed based upon 2010-2012 averages. The water sources, or supply ratio, of each facility are assumed to remain the same to 2050, and remain the same for each scenario. Nearly all water for thermoelectric power generation is surface water.

10.4 Withdrawals, Consumptive Use, and Water Balance Considerations

As described above, thermoelectric power water use is estimated for both withdrawals and consumption for each facility. Overall, for all fuel types and cooling methods water use is largely non-consumptive with over 99 percent of withdrawals returned to surface water. However, it should be noted that once-through cooling exerts a large impact on this statistic as facilities with this cooling method are a large component of overall water use and once-through cooling is essentially non-consumptive. Other cooling types such as those that use cooling towers have much higher consumption rates.

11.0 Crop Irrigation

The largest use of water in Arkansas is for crop irrigation. Water use for crop irrigation by county is estimated based upon number of acres irrigated by crop type and an application rate of water per acre by crop type. The base year number of irrigated acres is estimated to increase for most crops in most counties based upon historical trends (with strong statistical growth correlations based on time or price as described in more detail below) into the future up to a reasonable maximum level determined for each county [as determined by GIS analysis using U.S. Department of Agriculture (USDA), National Agricultural Statistics Service (NASS), Crop Data Layer (CDL) information regarding available tillable acreage that is not currently under irrigation].

11.1 Base Period Water Use

The base period (2010) and historical (2000 to 2010) irrigated acreage and crop irrigation water application rates for each county were obtained from two sources. Irrigated acres in cotton, corn, and miscellaneous crops were obtained from the WUDBS. Irrigated acres in soybeans and rice were

obtained from the USDA - County Agricultural Production Survey (CAPS) data. A total of 49 counties were identified as having irrigated acres in these primary crops. However, 12 of these counties had less than 300 acres in irrigation and insufficient data for historical analysis of application rates by crop type. Soybeans, rice, corn, and cotton comprise 98 percent of all crops grown in Arkansas. A category of "Other" crops was created that includes berries, unclassified cash grains, orchards, hay, milo, oats, pastures, peanuts, sorghum, tobacco, vegetables, and wheat, as well as water withdrawals for crop maintenance and crop reservoirs (i.e., water storage for later irrigation use). The statewide totals of irrigated acres by primary crop type in the base period are shown in **Table 11.1**. The number of irrigated acres by crop type and county for the base period are listed in **Appendix I**.

Table 11.1 Base Period Irrigated Acres Statewide

Crop	Acres	Percent
Soybeans	2,335,111	46.7%
Rice	1,780,410	35.6%
Cotton	508,610	10.2%
Corn for grain	282,334	5.6%
Other	93,316	1.9%
Total	**4,999,780**	**100%**

WUDBS data are reported for water users with the capability to withdraw 50,000 gpd of groundwater or 1 AFY of surface water, and include monthly water use for the reporting year. The water application rate (in inches per acre per year) was determined from the analysis of WUDBS crop irrigation records in which a single crop was irrigated from a single source of supply. Thus, application rates were determined by crop, month, and county. Irrigation volumes reported in November and December are outside the typical irrigation season and were therefore assumed to be withdrawals associated with the duck hunting and habitat maintenance water use, and not included in the irrigation use calculations. A 10-year average application rate was determined by county, crop, and month in AF per acre and converted to inches per acre. The application rates by crop type and county are listed in **Appendix I**. The statewide average application rates by crop type are shown in **Table 11.2**. Note that the average application rate includes system losses and irrigation inefficiencies as the application rate is based upon water withdrawal data.

Table 11.2 Application Rates by Crop

Crop		AF/Acre	In/Acre
Rice	Min	1.1	13.5
	Average	**3.1**	**37.0**
	Max	4.0	47.6
Soybeans	Min	0.1	1.0
	Average	**1.4**	**16.3**
	Max	2.7	32.3
Corn	Min	0.2	2.6
	Average	**1.5**	**18.1**
	Max	2.5	30.6
Cotton	Min	0.8	9.8
	Average	**1.3**	**15.3**
	Max	2.5	30.2

The application rate by county, crop, and month is multiplied by the number of acres irrigated per county by crop to estimate the irrigation water demand by county, crop, and month for the 49 counties with reported irrigation of the primary crops.

11.2 Future Water Use

The trends in historical irrigated acres by crop by county were used to determine the future irrigated acreage. Irrigated acres in soybeans, rice, cotton, corn, and "other" were summed for each county and year from 2000 to 2010. An R^2 (R-square) value was calculated for the historical trend line of each crop and the total irrigated acres of each county. The R^2 value ranges from 0.0 to 1.0 and represents a "goodness of fit"; with zero indicating no relationship between the trend in acres and time, and a value of 1.0 indicating a perfect fit. For corn, the relationship was between the trend in irrigated acres and the price of corn. A trend line with an R^2 value of 0.65 or more was deemed to have an acceptably significant growth trend.

If the R^2 of an individual crop was 0.65 or more, and greater than the R^2 for the total irrigated acreage trend of the county, then the individual crop trend line was used to project the growth in future irrigated acres for that crop. If the R^2 for total acres was 0.65 or more, and greater than any individual crop R^2 in the county, then the future irrigated acres of all crops in the county increased at the same trend using the total acres trend. If neither the total acres nor individual crop R_2 indicated a good fit (i.e., was 0.65 or more) then the irrigated acres of all crops in the county remained constant at the current level. In a few instances, rice and cotton irrigated acres had significant R^2 values but negative trends, which resulted in a declining projection in future irrigated acres for these crop types.

For each county, the total tillable row crop acreage was determined by GIS analysis using USDA, NASS, and CDL information regarding available tillable acreage that is not currently under irrigation. In counties with projected increases in irrigated crop acres, the sum of future irrigated acres was compared with the 2010 total tillable row crop acreage. The tillable row crop acreage was deemed as the maximum number of irrigable acres within each county that were most likely to become irrigated during the forecast period. Twenty of the 49 counties that irrigate the primary crops are projected to reach the maximum irrigable acres before 2050. Projected irrigated acres by county and crop are listed in **Appendix I** and summarized statewide in **Table 11.3**. **Figure 11.1** illustrates the statewide growth in projected irrigated acres by primary crop.

Table 11.3 Projected Irrigated Acres by Crop

	2010	2020	2030	2040	2050
Rice	1,780,410	1,859,031	1,916,862	1,924,633	1,926,917
Soybeans	2,335,111	2,742,262	2,986,237	3,034,605	3,042,217
Cotton	508,610	528,352	542,192	534,893	536,413
Corn	282,334	288,435	296,870	299,451	300,064
Other	93,316	95,334	96,666	96,872	96,908
Total	**4,999,780**	**5,513,415**	**5,838,827**	**5,890,454**	**5,902,518**

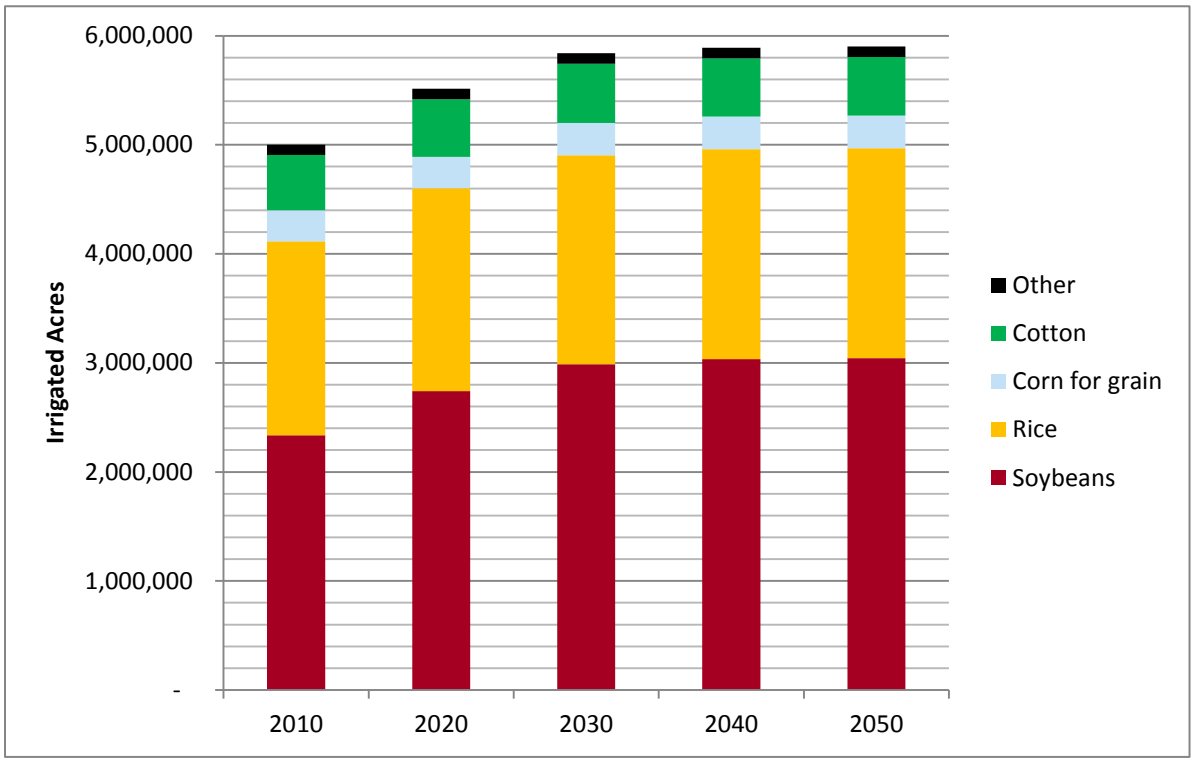


Figure 11.1 Total Projected Irrigated Acres by Crop

The application rate by county, crop, and month is multiplied by the future acres irrigated by county and crop to estimate the irrigation water demand by county, crop, and month in the future years for the 49 counties irrigating the primary crops. The estimated water demand for crop irrigation by county and crop is listed in both AFY and mgd in **Appendix I**. Statewide total demand is shown in **Table 11.4** with estimated irrigated crop water demand increasing from 8.8 billion gallons per day up to 10 billion gallons per day in 2050.

Table 11.4 Crop Irrigation Water Demand by Crop in AFY and MGD

Crop	2010	2020	2030	2040	2050
AFY					
Rice	5,483,710	5,718,125	5,888,561	5,912,304	5,919,475
Soybeans	3,164,959	3,678,422	3,976,103	4,047,725	4,059,670
Cotton	647,302	660,702	664,449	652,777	655,296
Corn	424,580	434,441	447,014	451,515	452,749
Other	154,633	157,463	159,160	159,371	159,412
TOTAL AF	**9,875,183**	**10,649,154**	**11,135,286**	**11,223,692**	**11,246,602**
MGD					
Rice	4,896	5,105	5,257	5,278	5,285
Soybeans	2,825	3,284	3,550	3,614	3,624
Cotton	578	590	593	583	585
Corn	379	388	399	403	404
Other	138	141	142	142	142
TOTAL MGD	**8,816**	**9,507**	**9,941**	**10,020**	**10,040**

11.3 Water Sources

The water sources for crop irrigation use are identified in the WUDBS by point location/HUC 8 for surface water sources and by point location and aquifer code for groundwater sources. Groundwater withdrawals that have unknown, or unidentified sources are assigned to the "most likely" aquifer of the county. The most likely aquifer is the predominant reported groundwater aquifer use identified in the *2011 Arkansas Ground-Water Protection and Management Report*. Surface water withdrawals that have unknown or unidentified sources are randomly distributed within the county, within a constrained area (based on HUC 8s).

The total irrigation water volume for each county is allocated among the groundwater (aquifer codes) and surface water locations as identified in the WUDBS data. Statewide crop irrigation water is 84 percent groundwater and 16 percent surface water. The groundwater/surface water ratios of each county are listed in **Appendix I**. The allocation of each county total to groundwater and surface water sources is maintained proportionally into the future.

11.4 Withdrawals, Consumptive Use, and Water Balance Considerations

Research and literature review was completed for Arkansas specific information to determine the proportion of water use for crop irrigation that is consumptively used (i.e., not returned to an aquifer or water body). Consumptive use values could not be identified for Arkansas. Data from western states were available, but based on differences in irrigation application methods, climate, soil, topography, and crop differences this information was not deemed to be applicable to Arkansas. Broadly speaking, based on literature review and discussions with irrigators, most farmers appear to be efficient in their water application rates; applying water when crops need it and in the amounts that they need for plant growth requirements. Data identified from across the United States suggests that crop irrigation consumptive use is high ranging from about 85 to 100 percent, with the irrigation application method (flood, sprinkler, drip irrigation, etc.) having a significant impact on these values. Ideal application rates include the plant uptake of water, evaporative loss, and perhaps some shallow percolation to the root zone. Application rates in excess of the ideal application rate can result in: (1) deeper percolation that recharges aquifers; (2) groundwater to surface water flux; and (3) direct runoff to surface water. Some farmers may have infrastructure in place to capture the surface runoff and precipitation that is used as an additional source of irrigation water (i.e., "relift"). Proper field management should prevent runoff (with soil nutrients, fertilizers, and pesticides) from entering a stream. For this round of planning it is assumed that none of the irrigation water returns to a stream or aquifer, although further research may be warranted.

12.0 Livestock

Water use among agricultural livestock water users by county is projected into the future based upon the rate of growth from the USDA National Agricultural Projections through 2022. Some specific exceptions to this methodology are made by animal type based on Livestock Water Demand Work Group suggestions, and are discussed below.

Livestock water use in most locations is beneath the WUDBS reporting threshold; therefore, location specific MPID locations are not available for the majority of livestock water use. Consequently, for demand quantification and forecasting, the Livestock demand is assumed to be equally distributed across the county, and is distributed proportionally among planning regions in cases where counties cross regional planning boundaries.

12.1 Base Period Water Use

Base period animal counts were obtained based on the most recent animal counts available. Statewide USDA, NASS CAPS animal counts for 2012 were available for dairy cows, beef cattle, and hogs and pigs (note – CAPS is completed annually). These statewide animal counts were disaggregated to the county level using the ratio of county to state animal count taken from 2007 USDA NASS Census of Agriculture (COA) (note – COA is completed every 5 years). Base period animal counts at the county level for chickens, turkeys, sheep and goats, and horses were obtained from the 2007 COA (2012 data was sought but was not available at the time that the forecast was complete). Base period animal counts are summarized statewide in **Table 12.1**. Detailed animal counts by county are listed in **Appendix J**.

Table 12.1 Statewide Base Period Animal Inventory

Livestock Type	Base Period
Horses[1]	78,968
Chickens[1]	215,082,244
Turkeys[1]	9,339,092
Hogs[2]	110,000
Sheep[1]	16,197
Goats[1]	50,579
Beef Cattle[3]	909,000
Dairy Cows[3]	11,000

[1] Base period data from the 2007 COA
[2] Base period data derived from the 2012 NASS statewide hog total with 2007 Ag Census County Data Ratios
[3] Base period data derived from the 2012 NASS statewide cattle/dairy cow totals with 2007 Ag Census County Data Ratios

Daily water use requirements by animal type were estimated using data from USGS Method for estimating Water Withdrawals for Livestock in the U.S. and Arkansas Natural Resources Conservation Service (NRCS) Animal Daily Water Requirements. Daily water requirements for each livestock group include water used for drinking water, cooling, and sanitation and waste water removal requirements. The daily water requirements in gpd per animal are shown in **Table 12.2**. These values remain the same in all counties and in all future years.

Table 12.2 Daily Water Requirements per Animal in GPD

Livestock Type	GPD
All Cattle minus Milk Cows	12.0
Milk Cows	35.0
Sheep	2.0
Hogs	4.5
Chickens	0.1
Horses	12.0
Turkeys	0.12
Goats	2.0

To determine base period water use, the base period animal count, by animal type, by county is multiplied by the daily water requirement.

12.2 Future Water Use

Future livestock animal counts are calculated based on USDA National Livestock Projections livestock growth projections and specific input from the Livestock Water Demand Work Group regarding historical trend data for key livestock animal types.

For dairy cattle, the USDA national projections forecast a slight decline in animal counts (< 1 percent); however, the work group recommended that the growth rate for dairy cattle in Arkansas be held constant because there has already been a 15-year decline in dairy cattle counts and it is thought that this animal group has stabilized. Therefore, dairy cattle count is held constant from the 2012 baseline year through 2050.

The USDA national projections predict a significant increase in hog production; however, based on a 15-year declining trend in hog animal counts in Arkansas, it is not likely that hog numbers will increase. But again based on work group input it is believed that the decline may have stabilized. Therefore, hog counts are also held constant from baseline counts throughout the forecast period.

USDA national projections were used to forecast future animal counts for beef cattle and chickens and turkeys through 2022. USDA growth projections were not available for the remaining animal types (horses, sheep, and goats) and since there were no major identified drivers to indicate upward or downward growth it was determined that for planning purposes these animal type counts will be held constant from the base year to 2050.

The statewide summary of projected livestock inventory is shown in **Table 12.3**, with detailed projections by county provided in **Appendix J**.

Table 12.3 Statewide Projected Livestock Inventory in Millions of Animals

Livestock Type	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Horses	0.079	0.079	0.079	0.079	0.079	0.079	0.079	0.079	0.079
Chickens	215.082	220.767	239.144	244.447	244.447	244.447	244.447	244.447	244.447
Turkeys	9.339	9.447	10.203	10.441	10.441	10.441	10.441	10.441	10.441
Hogs	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110
Sheep	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
Goats	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051	0.051
Beef Cattle	0.909	0.909	0.943	0.951	0.951	0.951	0.951	0.951	0.951
Dairy Cows	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011

Future water use was determined by multiplying projected future animal counts by daily water requirements. Daily water requirements by animal type are summarized statewide in **Table 12.4** for the forecast period. Future livestock water demands by county are shown in **Appendix J**. Growth in the number of livestock statewide is projected to level off by 2025; therefore, the water demands for livestock also levels off. Statewide water demand for livestock remains below 30 mgd.

Table 12.4 Statewide Estimated Livestock Water Demand in MGD

Livestock Type	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Horses	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Chickens	12.90	13.25	14.35	14.67	14.67	14.67	14.67	14.67	14.67
Turkeys	1.12	1.13	1.22	1.25	1.25	1.25	1.25	1.25	1.25
Hogs	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Sheep	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Goats	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Beef Cattle	10.91	10.91	11.31	11.41	11.41	11.41	11.41	11.41	11.41
Dairy Cows	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
TOTAL	**26.89**	**27.25**	**28.85**	**29.29**	**29.29**	**29.29**	**29.29**	**29.29**	**29.29**

12.3 Water Sources

Groundwater and surface water livestock withdrawal amounts by county were taken from the 2005 USGS Estimated Use of Water in the United States. These data were used to assign a percentage of livestock water demand to surface water and groundwater use for each county. Statewide, water for livestock is estimated to be about 66 percent surface water and 34 percent groundwater. The estimated percent of water by source by county is listed in **Appendix J**.

Since comprehensive and consistent point location data were not available for this demand sector, the groundwater demands were equally distributed within the county. Groundwater demands for the base period and future forecast were assigned to the "most likely" aquifer(s) of each county. The most likely aquifer of each county is based on the predominant groundwater aquifer use identified in the *2011 Arkansas Ground-Water Protection and Management Report*.

For surface water, livestock demand is equally distributed within the county and assigned to the corresponding HUC 8s of each county.

12.4 Withdrawals, Consumptive Use, and Water Balance Considerations

No applicable data were identified to determine the portion of livestock water demand that is fully consumed. However, it is unlikely that any significant component of livestock water use is returned to groundwater or surface water. Consequently, it is assumed that little to no return flows are associated with livestock water use.

12.5 Other Considerations to Note

Livestock demands are a relatively small portion of overall demand in Arkansas (< 1 percent statewide). As noted above, data availability for this sector resulted in the need to develop several planning assumptions that could be further assessed with improved data collection over the next several years in preparation for the next water plan update. However, since this is a relatively small statewide demand sector, the benefits and level of effort and cost should be considered. Additionally, since livestock demands are not evenly distributed in Arkansas, if additional details regarding source of supply (surface water, groundwater, publicly-supplied, and self-supplied) are desired, it may also make sense to undertake a more targeted data collection effort in areas of higher demand and lower water availability. There are some livestock demands (above the reporting threshold) that are reported in the WUDBS and have some point location data; however, since location and information is not available for all livestock water demands, a consistent methodology was applied to allow a common approach to all livestock demands within the state.

13.0 Aquaculture

Water use among aquaculture water users by county is quantified by species type and number of acres used for fish cultivation, in combination with water application rates per species type. Overall, with the exception of catfish, aquaculture water demands did not show significant past trends and no major drivers for growth were identified. Consequently, for planning purposes demands are held constant for all species types over the forecast period.

13.1 Base Period Water Use

Base period water use for each county was obtained from the WUDBS, in combination with USDA NASS 2012 statewide information. Between the two data sources, 25 counties were identified with aquaculture activities.

WUDBS data are reported for water users with the capability to withdraw 50,000 gpd of groundwater or 1 AFY of surface water. The WUDBS data on aquaculture users reports the number of acres by five species types, plus an aquaculture "not classified" category. Significant reporting changes in the data from 2008 to 2010 were identified; therefore, only 2011 data were used to provide an average base period water use.

Table 13.1 Aquaculture Acres by Species

Species Type	Acres
Not Classified	10,880
Crawfish	267
Goldfish	2,576
Hatcheries	827
Minnows	19,119
Catfish	9,700
TOTAL	**43,369**

The total WUDBS reported number of acres in catfish was identified by aquaculture demand subgroup members as being higher than believed, and upon additional research was found to be 2-3 times higher than the USDA NASS reported statewide data. Therefore, the USDA NASS statewide total acres in catfish aquaculture was utilized and was proportionally allocated to counties with reported WUDBS catfish aquaculture water use based upon the proportion of WUDBS acres of this species by county. The statewide number of acres in aquaculture by species type is shown in **Table 13.1**. The number of acres by county and species is listed in **Appendix K**.

The water application rate (in inches per acre per year) for each species type derived from the WUDBS data was deemed to be an over-estimation by the workgroup based upon industry experience. Therefore, a range of values was provided by the workgroup. The high end of the range (36 inches) was assumed for all species, except catfish (15 inches) and crayfish (18 inches).

Table 13.2 Average Application Rates

Species Type	Annual Inches per Acre
Not Classified	36
Crawfish	18
Goldfish	36
Hatcheries	36
Minnows	36
Catfish	19

For catfish ponds, literature was identified that describe both "maintain full" and "6/3" (producer refills with 3 inches once pond drops 6 inches) management schemes. Additionally, workgroup members noted that catfish ponds do have to be fully drained and filled approximately every 10-15 years. Since the proportion of catfish producers utilizing the two management schemes could not be obtained from the data, the forecast assumed the "6/3" rate from Pote et al. (1988) with a 10-year drain and refill interval. A 40-inch refill is assumed and annualized, and added to the water application rate, resulting in an average annual application rate of 19 inches for catfish.

Table 13.3 Statewide Aquaculture Water Demand in MGD

Species Type	MGD
Not Classified	29.12
Crawfish	0.36
Goldfish	6.89
Hatcheries	2.21
Minnows	51.17
Catfish	13.70
TOTAL	**103.46**

The species application rate for each species is multiplied by the acres per species by county to derive the aquaculture water demand by county. The statewide water demand by species is shown in **Table 13.3**. The aquaculture water demand by county is listed in **Appendix K**.

13.2 Future Water Use

Future aquaculture water demands are extremely vulnerable to regulations, international markets, and other factors, such that the future of aquaculture in Arkansas is uncertain. Future water demands for aquaculture are held constant at baseline period levels for planning purposes. Thus, the aquaculture water demand remains at about 103 mgd each year.

13.3 Water Sources

All water for aquaculture purposes is obtained from groundwater to ensure conformance with regulations, and/or to control parasite/disease, as surface water has the potential to introduce contaminants into the ponds. Data from the WUDBS data contain an aquifer ID for groundwater sources, as well as the county and species. A ratio of groundwater by aquifer to county use, times the base period aquaculture water volume by species for each county, is used to determine the water volume by aquifer.

13.4 Withdrawals, Consumptive Use, and Water Balance Considerations

A portion of aquaculture water use is lost to evaporation (i.e., consumptive use) or seepage; however, ponds also receive direct precipitation. Thus, climate exerts a strong influence on yearly application rates. Water is typically recycled for other on-farm purposes.

14.0 Duck Hunting and Habitat Maintenance

Water use for duck hunting and habitat maintenance is estimated by county based upon number of acres flooded and an application rate per acre. The base year volume of water is assumed constant into the future.

There are three "components" to this forecast based on how the data are described in the WUDBS. Data for the duck hunting and habitat maintenance forecast include the following:

- Self-supplied duck clubs
- Self-supplied commercial habitat maintenance (Arkansas Game and Fish reports water use for maintaining reservoir levels and habitat maintenance)
- The November and December portion of crop irrigation (see discussion in crop irrigation section)

14.1 Base Period Water Use

Water use for each county was obtained from 2000-2010 average withdrawals from the WUDBS. WUDBS data are reported for water users with the capability to withdraw 50,000 gpd of groundwater or 1 AFY of surface water, and include monthly water use for the reporting year. Total acreage for 2010 was obtained from the WUDBS.

The water application rates (in inches per acre per year) were determined from the analysis of reported crop irrigation withdrawals. Irrigation volumes reported in November and December are assumed to be for duck hunting and habitat maintenance. A 10-year average application rate was determined. The application rate times the acres irrigated per county was used to estimate the water demand by county.

Statewide water use by duck clubs, reported commercial habitat maintenance, and estimated November and December crop irrigation are summarized in **Table 14.1**. Water use by county is listed in **Appendix L**.

Table 14.1 Duck Habitat Water Demand in MGD

	MGD	Percent
Duck Clubs	224.2	86.5%
Habitat Maintenance	7.6	2.9%
Crop Irrigation	27.4	10.6%
TOTAL	**259.2**	**100%**

14.2 Future Water Use

Water use among duck clubs represents about 86 percent of the demands for this sector. A review of the trend in duck club water use shows that total withdrawals have been relatively constant from 2000-2010 with no discernible changes. Consequently, it was determined that for forecasting purposes the base period volume of water is assumed to remain constant through 2050.

14.3 Water Sources

The water sources for duck hunting and habitat maintenance use are identified in the WUDBS by point of withdrawal and HUC 8 for surface water sources, and by point of withdrawal and aquifer code for groundwater sources. Statewide, about 64 percent of demand is from surface water sources, and about 36 percent is from groundwater. The estimated statewide demand by water source is shown in **Table 14.2**.

Table 14.2 Statewide Total Duck Habitat Water Demand in MGD

	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Groundwater	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
Surface Water	164.9	164.9	164.9	164.9	164.9	164.9	164.9	164.9	164.9
Total	**259.2**	**259.2**	**259.2**	**259.2**	**259.2**	**259.2**	**259.2**	**259.2**	**259.2**

14.4 Withdrawals, Consumptive Use, and Water Balance Considerations

The portion of water use for duck hunting and habitat maintenance that is consumptively used (i.e., not returned to an aquifer or water body) is assumed to be minimal as evaporative loss is minimal in November and December. Ponds are drained in January and February. Therefore, there is a modest volume of groundwater that is "transferred" to surface water when ponds are drained. These releases are available for other uses, and/or may contribute to recorded gage river flows.

14.5 Other Considerations to Note

Self-supplied duck club water demand by county is estimated on an average annual time-step to the year 2050. However, since the demands occur in a 2-month period, the effect on water resources is "seasonal." For groundwater withdrawals, the effect is more attenuated based on the nature of the resource; however, surface water withdrawals have a more immediate effect on the resources. During the water plan update no "seasonal" concern regarding the timing and magnitude of withdrawals were noted. If concerns do arise, a more spatially-refined review of withdrawals and returns could be conducted for the next water plan update.

15.0 Navigation In-stream Water Demands

Current in-stream water needs for navigation are determined for the three rivers in Arkansas where commercial shipping occurs and is federally supported: the Arkansas, White, and Ouachita Rivers, as shown in **Figure 15.1**. Although the Mississippi River borders Arkansas, it is not generally considered waters of the state. Therefore, the Mississippi River is not considered in navigation water supply needs for the water plan update. The feasibility of developing a federal navigation system on the Red River in Arkansas is being evaluated for the future.

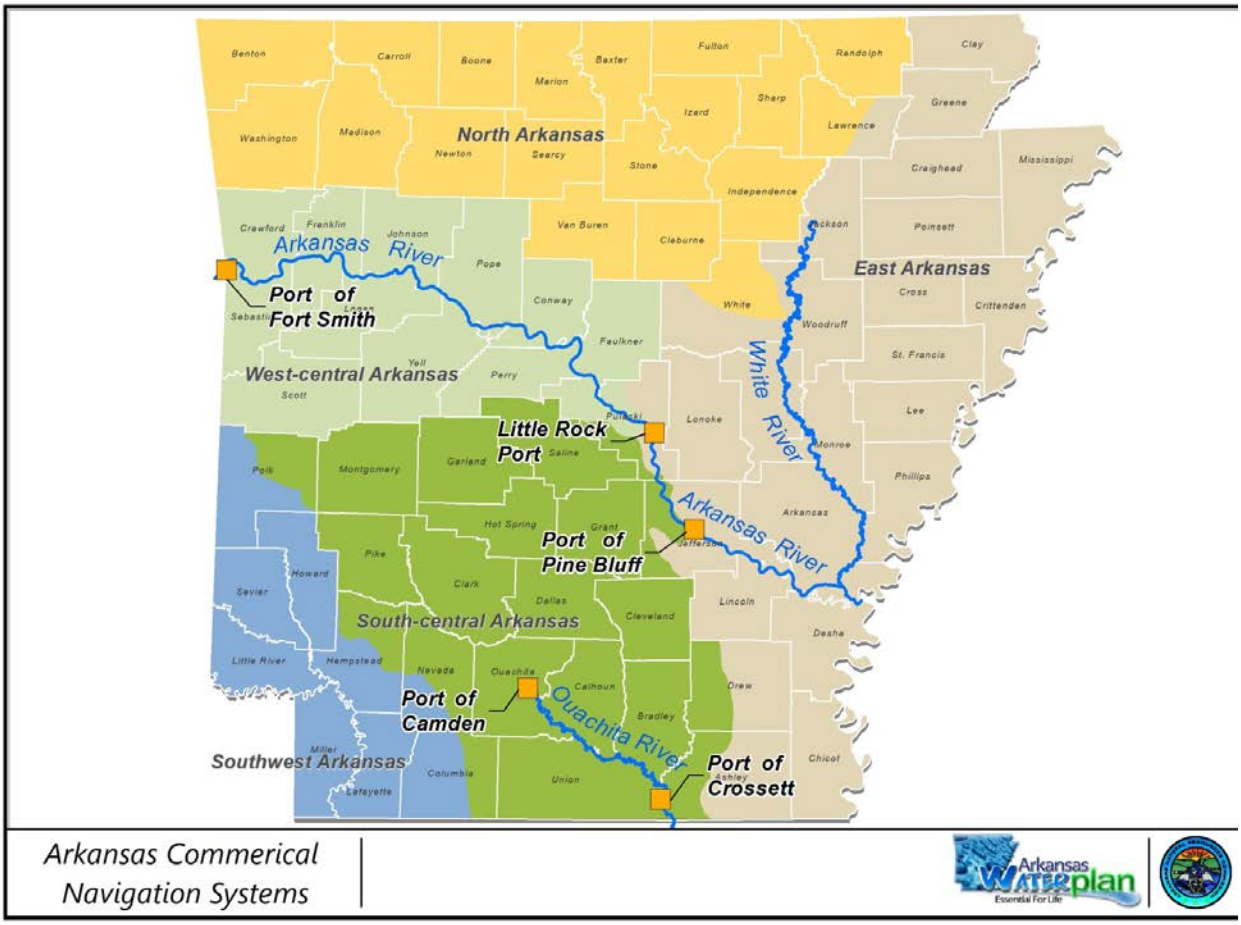


Figure 15.1 Arkansas Commercial Navigation Systems

15.1 Characteristics of Arkansas Navigation Systems

In Arkansas, the McClellan-Kerr Arkansas River Navigation System (MKARNS) consists of a series of 13 lock and dam structures and one dam, maintained and operated by the Little Rock District of the US Army Corps of Engineers (USACE). The system begins at the Mississippi River, at the mouth of the White River, at the Montgomery Point Lock & Dam at White River navigation mile 0.5 and continues approximately 10 miles up the White River. At that point, the approximately 10 mile long Arkansas Post Canal connects the White River to the Arkansas River. There are two locks and dams on the canal, Norrell Lock (Lock 1) and Wilbur D. Mills (Lock 2). Wilbur D. Mills (Dam 2), on the Arkansas River just downstream of the mouth of the Arkansas Post Canal maintains navigation depth on the Arkansas River upstream of Dam 2. The rest of the MKARNS in Arkansas consists of a series of 10 more locks and dams on 290 miles of the Arkansas River. The MKARNS navigation channel is maintained to 9 feet. In 2005 Congress authorized construction of a 12-foot navigation channel along the entire length of the MKARNS, but funding has been limited. Therefore, the 12-foot navigation channel will not be maintained until a complete funding package is provided by Congress. There are three public ports on the river in Arkansas, at Pine Bluff, Little Rock, and Fort Smith. Hydropower projects are located at Dam 2, and at five of the locks and dams on the MKARNS in Arkansas. Two of these are federal hydropower projects, and the other four are non-federal. In addition to the locks and dams, channel stabilization structures, and routine dredging are required to maintain the MKARNS navigation channel. Commercial navigation on the Arkansas River is generally feasible year-round.

On the White River upstream of the MKARNS, a navigation channel 125 feet wide and 8 feet deep, when the water level is at 12 feet at the Clarendon gage, is maintained by the Memphis District USACE to Augusta, approximately 190 miles. Between Augusta and Newport—approximately 57 miles—a 100-foot wide channel with minimum depth of 4.5 feet at a gage reading of 3.5 feet at Newport is maintained. There are no structures on the White River navigation project, and no public ports. The navigation channel is maintained solely through dredging and snagging. The Memphis District also maintains nine harbors along the White River. Commercial navigation on the White River is dependent on river stage, and is currently feasible to Newport during only 57 percent of the year (Arkansas Waterways Commission 2012). When the navigation channel is maintained, commercial navigation to Augusta is usually possible year round.

The Ouachita River - Black River navigation project is maintained and operated by the Vicksburg District USACE. This navigation project extends into Arkansas on the Ouachita River from the Louisiana state line to Camden (117 miles). In Arkansas, the Ouachita River - Black River navigation project consists of two locks and dams constructed on cutoff canals. A 9-foot navigation channel is maintained in the Ouachita River to Camden by dredging and snagging. There are two public ports on the Ouachita River in Arkansas, at Crossett and Camden. Commercial navigation on the Ouachita River is feasible year round in Arkansas.

The J. Bennet Johnston Waterway on the Red River extends as far as Shreveport, Louisiana. No commercial navigation channel is currently maintained in the Red River in Arkansas. Commercial navigation does not currently occur on the Red River in Arkansas.

15.2 Commodity Transport

In 2010, over 12 million tons of commodities were transported on Arkansas rivers (excluding the Mississippi River). The reported amounts of commodities transported on these rivers for 2010 are

summarized in **Table 15.1**. In 1998, it was estimated that water transportation of goods in Arkansas contributed almost $60 million to the Gross State Product (Nachtmann 2002). Over the last 4 years, shipping on the MKARNS has been fairly consistent, and represents about 90 percent of the 2010 tonnage. Shipping on the White River was relatively high from 2007 through 2009, but was low the last 2 years.

Table 15.1. Commodity Transportation Tonnages Reported for 2010 (USACE 2012).

River	2010 Total tonnage	2010 Commodities
McClellan-Kerr Arkansas River Navigation System (Arkansas and White Rivers)	11,120,000	Crude petroleum, fuel oils, chemicals, rock, sand, gravel, coal, asphalt, wood chips, metal ores, metal products and scrap, clay, slag, minerals, concrete, wheat, corn, rice, sorghum, soybeans, sugar, molasses
Ouachita River+	1,123,000	Crude petroleum, fertilizer, ammonia, distillate fuel, corn
White River	40,000	Sand and gravel
Total	**12,283,000**	

+ Information shown is totals for the Ouachita & Black River Navigation Project in Arkansas and Louisiana.

15.3 Navigation Base Period Water Demand

Base period in-stream water needs for navigation as determined for the three rivers in Arkansas where commercial shipping occurs and is federally supported is a function of both flow stage requirements and operating procedures.

15.3.1 Flow/Stage Requirements for Navigation

Water levels in navigable rivers must be above a minimum stage to be passable to barge traffic. In addition, there are high stage and/or flow conditions that occur that make barge traffic uneconomical, hazardous, or impossible. This information provides lower and upper bounds for navigation water needs. Information on minimum and maximum flow and/or stage requirements for navigation in the Arkansas River, Ouachita River, and White River is provided below.

15.3.1.1 Arkansas River

The target minimum flow necessary for commercial navigation for the Arkansas River is 3,500 cubic feet per second (cfs) at Van Buren and 3,000 cfs at Little Rock. Barge traffic on the Arkansas River is limited when flows at Van Buren exceed 70,000 cfs.

15.3.1.2 Ouachita River

Specific flow requirements for navigation have not been designated for the Ouachita River. Operation of the locks and dams on the river provides sufficient water depth in the channel for navigation purposes.

15.3.1.3 White River

The Memphis District is authorized to maintain a navigation channel that is 8 feet deep when the stage at Clarendon is 12 feet. **Table 15.2** lists the White River minimum stages required for the operation of barges with 9-foot draft. These stages are estimated based upon experience and known channel conditions as of spring 2013. The White River is a dynamic river and continually adjusts its path; therefore, future conditions may require different stages than those indicated.

Under flood conditions, navigability of the White River is primarily a function of flow/discharge, but very high stages impact clearance under the Highway 67 bridge crossing; common tows operating on

the White River do not have adequate clearance when stages exceed 26.5 feet on the gage at Newport. High stages on the White River caused by Mississippi River backwater do not generally impede barge traffic because the backwater reduces velocities enough in the flooded sections of the White River to allow barges to travel upstream.

Table 15.2 Estimated Stages Required for Operation of 9-foot Draft Barges on White River, Arkansas, in Memphis District (2013)

Location	Elevation/Stage	Gage Zero Elev	Discharge (cfs)
RM 15	Elevation 121	NA	NA
Clarendon, AR gage	18 ft	139.91	21,200[2]
DeValls Bluff, AR gage	14 ft	152.96	26,800[1]
Georgetown, AR gage	11 ft	170.08	24,600[1]
Augusta, AR gage	23 ft	169.85	22,200[1]
Newport, AR gage	11 ft	194.09	22,500[1]

[1] USGS Ratings Depot
[2] USACE, Memphis Rating

15.3.2 System Operations for Navigation

Existing standard operating procedures for the navigable rivers may constrain, or provide opportunities for, the ability to meet future navigation needs. Therefore, the operating procedures are described and entities responsible for operations are identified in the following sections.

15.3.2.1 Arkansas River

In Oklahoma, flow in the Arkansas River is managed by the Tulsa District Army Corps of Engineers. Under normal and low-flow conditions, the Tulsa District manages flow in the Arkansas River to meet the requirements of the Arkansas River Compact. There is storage in the Tulsa District reservoir, Oologah Lake, Oklahoma, allocated for use to supplement flow in the Arkansas River to meet the compact flow requirements under drought or low-flow conditions. The decision to use this storage rests with the Drought Board that is convened in the case of a Level 2 drought declaration. To our knowledge, the storage in Oologah Lake has never been used to supplement flow in the Arkansas River.

In Arkansas, flow in the Arkansas River is managed by the Little Rock District Army Corps of Engineers, primarily to maintain navigation. Hydropower generation in this part of the MKARNS is secondary to navigation (M. Biggs, USACE Little Rock District, personal communication, 6-4-13).

When rainfall runoff fills the flood pools in the Tulsa District reservoirs, the Tulsa District manages flow in the Arkansas River for flood control purposes. The Tulsa District operates reservoirs on the Arkansas River and its tributaries to store flood waters and reduce flood peaks on the Arkansas River through controlled releases. The MKARNS water control plan requires the Tulsa District to evacuate flood storage from upstream lakes as quickly as possible without exceeding the 22-foot Van Buren, Arkansas regulating stage (135,000 cfs to 150,000 cfs). The target flows at Van Buren vary with time of year and for a given amount of system storage in use at the 11 flood control reservoirs in Tulsa District. The Van Buren target flow recedes as system storage use recedes. Target flows occur at 150,000 cfs for flood storage evacuation, and at 60,000 cfs for self-scouring of the navigation channel. Also, a 12-day tapered recession from 40,000 cfs to 20,000 cfs is implemented to provide a recovery period for navigation.

15.3.2.2 Ouachita River

Flow in the navigation portion of the Ouachita River is influenced to some extent by the operation of the upstream USACE reservoirs on the Ouachita River and Caddo River, and the Entergy hydropower reservoirs on the Ouachita River. The Felsenthal lock and dam is operated to maintain higher water levels in the Felsenthal National Wildlife Refuge during the fall and winter, to enhance the waterfowl habitat in the refuge (USACE Vicksburg District 2013).

15.3.2.3 White River

Flow in the navigation portion of the White River is influenced to some extent by the operation of USACE reservoirs on the White River and its tributaries upstream. Releases from these reservoirs are managed for hydropower production and flood control. In addition, minimum flows have been authorized for two of the White River system reservoirs in Arkansas—Bull Shoals Lake on the White River, and Norfork Lake on the North Fork River. The minimum release from Bull Shoals dam has been set to 800 cfs, and the minimum release from Norfork dam has been set to 300 cfs. These releases are intended to sustain trout habitat in the waters downstream of these dams. Modifications to Bull Shoals systems necessary to enable the minimum release were scheduled to be completed December 2012. Modifications to Norfork dam necessary to enable the minimum release were scheduled to be completed May 2013 (USACE Little Rock District 2012).

15.4 Future Navigation Water Needs

For the purpose of forecasting water needs for navigation in Arkansas, the following assumptions are made:

- There will be no significant change in flow and water level needs for navigation over the forecast period to 2050
- On the Arkansas River, the existing system of locks and dams will be adequate to maintain the minimum 9-foot or 12-foot depth for the navigation channel
- On the Ouachita River, existing locks and dams will be adequate to maintain the existing navigation channel
- Commercial navigation on the White River is supported and maintained
- Adequate funding is available for snagging and dredging and structure maintenance to maintain existing navigation channels

Thus, the base period flow requirements are assumed to be maintained to 2050.

16.0 A Note on Geographic Aggregation and Disaggregation of Demands

Water demands of each sector are assigned to locations for different planning purposes. The water demands for all sectors, except navigation, are developed on the county level. The source data used to develop many of the county level forecasts are derived from the WUDBS, which include withdrawal point information (i.e., MPID with associated latitude and longitude coordinates) and water sources (i.e., aquifer codes or surface water HUC 8 codes). Thus, water demands of the county could be

replicated at the individual withdrawal point level with a specific coordinate and source. In instances where an MPID did not have associated coordinate information, a GIS geoprocessing tool was used to place a random point with the MPID's respective county and HUC8. Water demands could then be aggregated by planning region, aquifer, or surface water basin.

In some instances, additional identifying information is used to geographically locate and assign water demands. Water demand among thermoelectric power generating facilities is estimated by facility location, which has specific latitude and longitude coordinates that allow assignment of water demands to planning regions and basins. Water demand among self-supplied domestic users, shale gas, and livestock are estimated at the county level without the benefit of withdrawal point information. The county-level estimates of water demand in these three sectors are proportionally distributed within each county assuming even geographic distributions of demand across the county. Shale gas demand is further limited by the area of the county that overlays the Fayetteville shale formation. GIS analysis is used to distribute the county demands of these three sectors and then assign them to regions and basins. If a particular county is bisected by two (or more) regions or basins, then the sector demand is allocated proportionally among the regions or basins based upon area.

The distribution of navigation water demands among the planning regions is summarized in **Table 16.1**. There are currently no federal navigation projects in the North and Southwest Arkansas Water Resources Planning Regions. However, the USACE is conducting a feasibility study for extending navigation on the Red River into Arkansas (Southwest Arkansas Water Resources Planning Region).

Table 16.1 Navigation in the Planning Regions

Planning Regions	Rivers with Federal Navigation Projects
East Arkansas	White River, Arkansas River downstream of Little Rock
West Central Arkansas	Arkansas River from Fort Smith to Little Rock
South Central Arkansas	Ouachita River

17.0 Forecasts by County

Water demands by sector (excluding navigation) and by county are presented in each of the appendices for the individual sectors. They are also combined and presented collectively in **Appendix M** by county using the following planning scenarios:

- AIEA population projection scenario for Municipal, Self-supplied Domestic, and Self-supplied Commercial sectors
- With conservation effects scenario for the Municipal and Self-supplied Domestic sectors
- Reference scenario for the thermoelectric power sector

Total water demand by county is listed in **Table 17.1** including the thermoelectric power withdrawal demands, and in **Table 17.2** including the thermoelectric power consumption demands.

Table 17.1 Total County Water Demand in MGD, with Thermoelectric Power Withdrawals

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	927	927	927	926	926	926	926	926	926
Ashley	198	196	193	190	187	184	181	179	176
Baxter	6	7	7	7	8	8	9	9	10
Benton	389	339	367	422	441	450	457	465	474
Boone	6	7	7	7	7	8	8	8	9
Bradley	2	2	2	2	2	1	1	1	1
Calhoun	1	1	1	1	1	1	1	1	1
Carroll	10	10	10	10	11	11	11	11	11
Chicot	284	311	339	338	338	338	338	338	338
Clark	6	6	5	5	5	5	5	5	5
Clay	548	571	594	601	608	614	619	623	627
Cleburne	6	5	5	6	4	4	4	5	5
Cleveland	1	1	1	1	1	1	1	1	1
Columbia	7	7	7	7	7	7	6	6	6
Conway	22	21	19	19	16	15	15	14	14
Craighead	418	434	451	452	453	453	454	455	456
Crawford	14	15	16	17	17	18	19	21	22
Crittenden	328	365	401	437	473	481	490	490	490
Cross	538	538	539	539	539	538	538	538	538
Dallas	1	1	1	1	1	1	1	1	1
Desha	460	465	470	470	469	468	467	467	466
Drew	80	80	80	80	80	80	80	80	80
Faulkner	22	23	24	26	27	28	30	32	34
Franklin	5	6	6	6	6	6	7	7	7
Fulton	2	2	2	2	2	2	2	2	2
Garland	18	19	20	20	21	21	22	23	24
Grant	3	3	3	3	3	3	3	3	3
Greene	301	319	337	360	382	382	383	383	383
Hempstead	8	14	14	14	14	14	14	14	14
Hot Spring	27	53	50	51	50	53	54	55	56
Howard	4	4	4	4	4	4	4	4	4
Independence	130	137	144	147	150	149	148	147	146
Izard	5	5	5	5	6	7	7	8	9
Jackson	443	443	442	461	480	480	480	480	480
Jefferson	471	494	517	515	514	512	511	509	508
Johnson	5	5	5	5	5	5	6	6	6
Lafayette	26	28	30	32	34	36	38	41	43
Lawrence	365	379	394	398	402	402	402	402	402
Lee	286	308	329	351	372	394	415	418	422
Lincoln	223	223	224	224	224	224	224	224	224
Little River	99	97	95	91	87	82	78	74	70
Logan	5	5	5	5	5	5	5	5	6
Lonoke	422	417	413	414	415	415	416	417	418
Madison	4	4	4	4	4	5	5	5	5
Marion	2	2	2	2	2	2	2	2	2
Miller	82	77	73	74	75	76	78	79	80
Mississippi	355	408	455	502	549	549	549	548	548
Monroe	331	354	377	395	414	415	416	416	416
Montgomery	1	1	1	1	1	1	1	1	1
Nevada	1	1	1	1	1	1	1	1	1
Newton	1	1	1	1	1	1	1	1	1
Ouachita	24	30	28	29	28	29	30	30	31
Perry	1	1	1	1	1	1	1	1	1

Table 17.1 Total County Water Demand in MGD, with Thermoelectric Power Withdrawals

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Phillips	269	270	269	269	269	269	269	269	269
Pike	1	1	1	1	1	1	1	1	1
Poinsett	730	755	781	781	781	781	781	781	781
Polk	3	3	3	3	4	4	4	4	4
Pope	756	836	837	837	837	837	837	837	838
Prairie	288	296	303	303	303	303	303	303	303
Pulaski	89	87	85	85	84	84	84	84	84
Randolph	167	176	186	186	186	186	186	186	186
St. Francis	348	377	407	440	473	472	472	472	472
Saline	16	16	16	17	17	17	18	19	19
Scott	3	3	3	3	3	3	3	3	3
Searcy	1	1	1	1	1	1	1	1	1
Sebastian	21	21	21	21	22	22	23	23	24
Sevier	4	4	4	4	4	4	5	5	5
Sharp	2	2	2	2	2	2	2	2	2
Stone	1	1	1	1	1	1	1	1	2
Union	19	22	21	21	20	20	20	20	20
Van Buren	5	6	6	3	3	3	3	3	3
Washington	30	32	35	37	40	43	46	49	53
White	107	107	107	108	105	106	106	106	107
Woodruff	308	326	339	340	342	342	343	343	343
Yell	6	6	6	5	5	5	5	5	5
Total	**11,093**	**11,519**	**11,885**	**12,155**	**12,378**	**12,430**	**12,479**	**12,501**	**12,526**

Table 17.2 Total County Water Demand in MGD, with Thermoelectric Power Consumption

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	927	927	927	926	926	926	926	926	926
Ashley	198	196	193	190	187	184	181	179	176
Baxter	6	7	7	7	8	8	9	9	10
Benton	48	53	58	65	71	78	85	93	102
Boone	6	7	7	7	7	8	8	8	9
Bradley	2	2	2	2	2	1	1	1	1
Calhoun	1	1	1	1	1	1	1	1	1
Carroll	10	10	10	10	11	11	11	11	11
Chicot	284	311	339	338	338	338	338	338	338
Clark	6	6	5	5	5	5	5	5	5
Clay	548	571	594	601	608	614	619	623	627
Cleburne	6	5	5	6	4	4	4	5	5
Cleveland	1	1	1	1	1	1	1	1	1
Columbia	7	7	7	7	7	7	6	6	6
Conway	22	21	19	19	16	15	15	14	14
Craighead	418	434	451	452	453	453	454	455	456
Crawford	14	15	16	17	17	18	19	21	22
Crittenden	328	365	401	437	473	481	490	490	490
Cross	538	538	539	539	539	538	538	538	538
Dallas	1	1	1	1	1	1	1	1	1
Desha	460	465	470	470	469	468	467	467	466
Drew	80	80	80	80	80	80	80	80	80
Faulkner	22	23	24	26	27	28	30	32	34
Franklin	3	3	3	3	3	3	4	4	4
Fulton	2	2	2	2	2	2	2	2	2
Garland	18	19	20	20	21	21	22	23	24
Grant	3	3	3	3	3	3	3	3	3
Greene	301	319	337	360	382	382	383	383	383
Hempstead	8	14	14	14	14	14	14	14	14
Hot Spring	12	13	12	13	12	13	13	13	13
Howard	4	4	4	4	4	4	4	4	4
Independence	130	137	144	147	150	149	148	147	146
Izard	5	5	5	5	6	7	7	8	9
Jackson	443	443	442	461	480	480	480	480	480
Jefferson	471	494	517	515	514	512	511	509	508
Johnson	5	5	5	5	5	5	6	6	6
Lafayette	26	28	30	32	34	36	38	41	43
Lawrence	365	379	394	398	402	402	402	402	402
Lee	286	308	329	351	372	394	415	418	422
Lincoln	223	223	224	224	224	224	224	224	224
Little River	99	97	95	91	87	82	78	74	70
Logan	5	5	5	5	5	5	5	5	6
Lonoke	422	417	413	414	415	415	416	417	418
Madison	4	4	4	4	4	5	5	5	5
Marion	2	2	2	2	2	2	2	2	2
Miller	82	77	73	74	75	76	78	79	80
Mississippi	355	408	455	502	549	549	549	548	548
Monroe	331	354	377	395	414	415	416	416	416
Montgomery	1	1	1	1	1	1	1	1	1
Nevada	1	1	1	1	1	1	1	1	1
Newton	1	1	1	1	1	1	1	1	1
Ouachita	4	3	3	3	3	2	2	2	2
Perry	1	1	1	1	1	1	1	1	1

Table 17.2 Total County Water Demand in MGD, with Thermoelectric Power Consumption

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Phillips	269	268	268	268	268	267	267	267	267
Pike	1	1	1	1	1	1	1	1	1
Poinsett	730	755	781	781	781	781	781	781	781
Polk	3	3	3	3	4	4	4	4	4
Pope	42	42	42	43	43	43	43	43	44
Prairie	288	296	303	303	303	303	303	303	303
Pulaski	89	87	85	85	84	84	84	84	84
Randolph	167	176	186	186	186	186	186	186	186
St. Francis	348	377	407	440	473	472	472	472	472
Saline	16	16	16	17	17	17	18	19	19
Scott	3	3	3	3	3	3	3	3	3
Searcy	1	1	1	1	1	1	1	1	1
Sebastian	21	21	21	21	22	22	23	23	24
Sevier	4	4	4	4	4	4	5	5	5
Sharp	2	2	2	2	2	2	2	2	2
Stone	1	1	1	1	1	1	1	1	2
Union	19	22	21	21	20	20	20	20	20
Van Buren	5	6	6	3	3	3	3	3	3
Washington	30	32	35	37	40	43	46	49	53
White	107	107	107	108	105	106	106	106	107
Woodruff	304	318	332	333	335	335	335	334	334
Yell	6	6	6	5	5	5	5	5	5
Total	**9,997**	**10,359**	**10,710**	**10,929**	**11,140**	**11,184**	**11,230**	**11,250**	**11,272**

18.0 Forecasts by Region

The water demands for all sectors, except navigation, are developed on the county level. As discussed in Section 16, water demands are replicated at the individual withdrawal point level and re-aggregated by planning region.

This section provides a summary of water demand forecasts for each of the five planning regions in the state. As shown in **Figure 18.1**, the planning region boundaries do not necessarily follow county boundaries. Thus, some counties are divided between two or more planning regions.

Demands are assigned to regions based on: (a) the corresponding county, if the entire county is within a region; (b) latitude and longitude of withdrawal points derived from the MPID location from the WUDBS; or (c) from other identifying information (e.g., location of thermoelectric power generating facility).

Water demand among self-supplied domestic users, shale gas, and livestock are estimated at the county level without the benefit of withdrawal point information. The county-level estimates of water demand in these three sectors are proportionally distributed within each county assuming even geographic distributions of demand across the county. GIS analysis is used to proportionally allocate demands of these three sectors to regions based upon area if a particular county is bisected by two (or more) regions. Shale gas demand is further limited by the area of the county that overlays the Fayetteville shale formation.

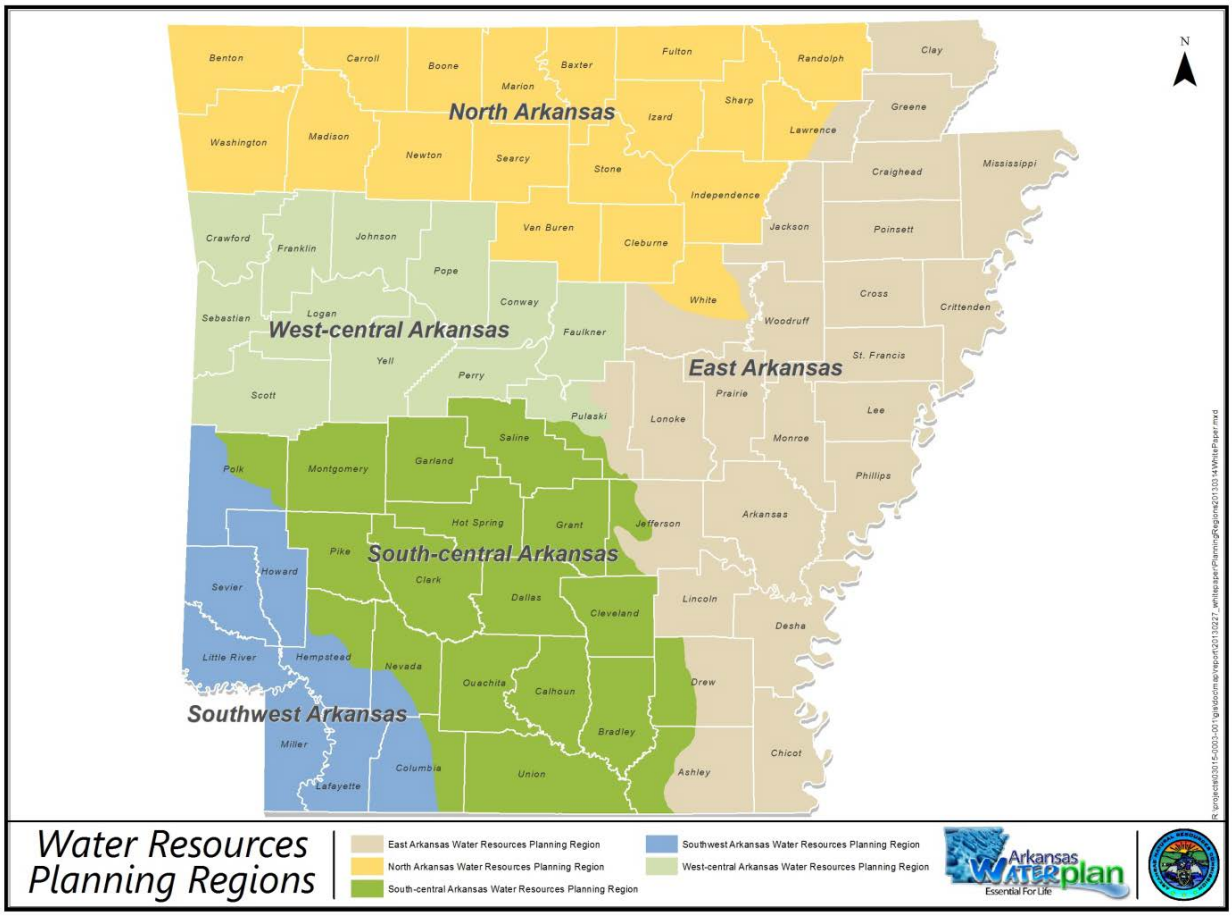


Figure 18.1 State Water Resource Planning Regions

The aggregation of the water demand forecasts by region results in a slightly different total water demand due to rounding. The total water demand forecast by region is summarized in **Table 18.1** including the thermoelectric power withdrawal demands and crop irrigation, and in **Table 18.2** including the thermoelectric power withdrawals but without crop irrigation demands. These demands are illustrated in **Figures 18.2** and **18.3**, respectively.

The East Arkansas Water Resource Planning Region is dominated by agricultural activity and crop irrigation. When crop irrigation water demand is considered, the East region uses about 80 percent of the statewide total water demand (excluding navigation). Excluding crop irrigation, the East regions uses only about 19 percent of statewide water demand and the West-Central region is the dominate water using region at about 39 percent of statewide water use due to the thermoelectric power generating withdrawals in the region.

Table 18.1 Statewide Water Demand by Region in mgd, with Thermoelectric Withdrawals

Region	Base Period	2020	2030	2040	2050
East Arkansas	8,864	9,524	9,936	10,007	10,020
North Arkansas	913	940	1,028	1,054	1,083
South-central Arkansas	212	237	232	233	234
Southwest Arkansas	201	199	197	195	194
West-central Arkansas	910	990	991	996	1,003
TOTAL	**11,099**	**11,891**	**12,385**	**12,486**	**12,534**

Table 18.2 Statewide Water Demand by Region in mgd, with Thermoelectric Withdrawals and without Crop Irrigation

Region	Base Period	2020	2030	2040	2050
East Arkansas	478	480	474	472	471
North Arkansas	553	539	617	643	672
South-central Arkansas	212	237	232	233	234
Southwest Arkansas	159	164	156	147	141
West-central Arkansas	892	974	975	980	987
TOTAL	**2,294**	**2,395**	**2,454**	**2,476**	**2,504**

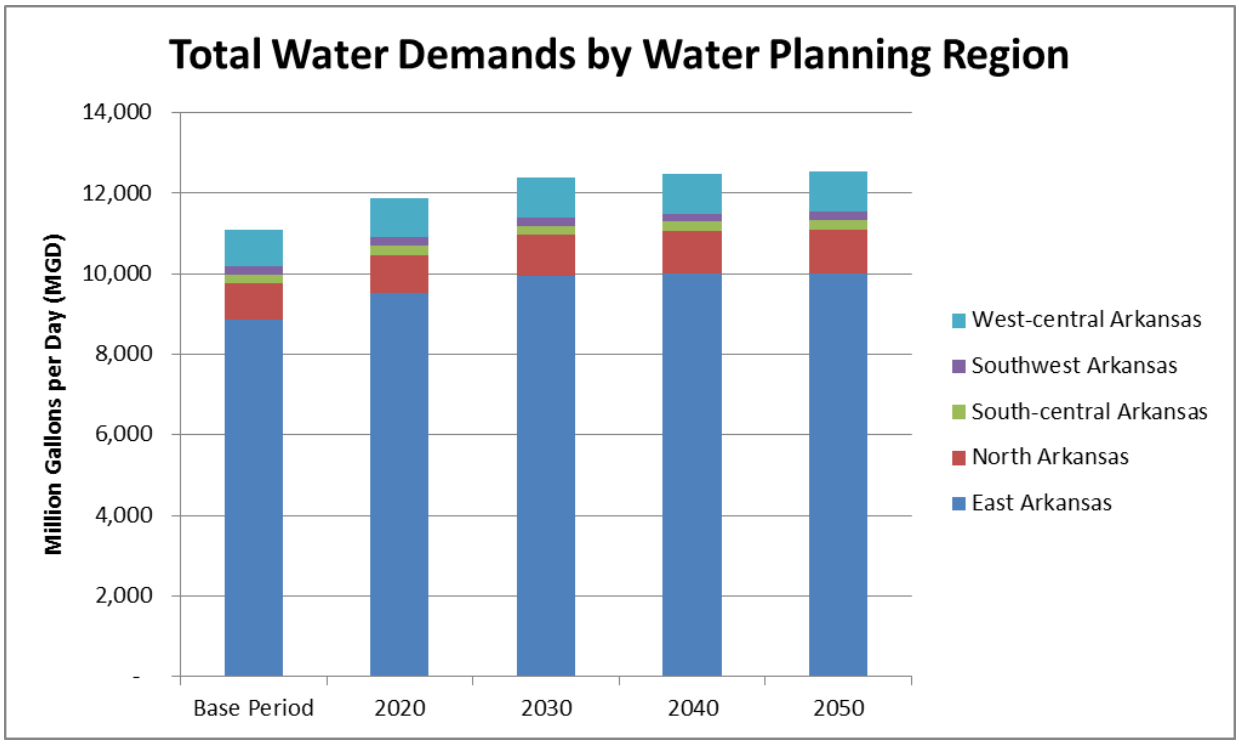


Figure 18.2 Statewide Water Demand by Region, including Thermoelectric Power Withdrawals

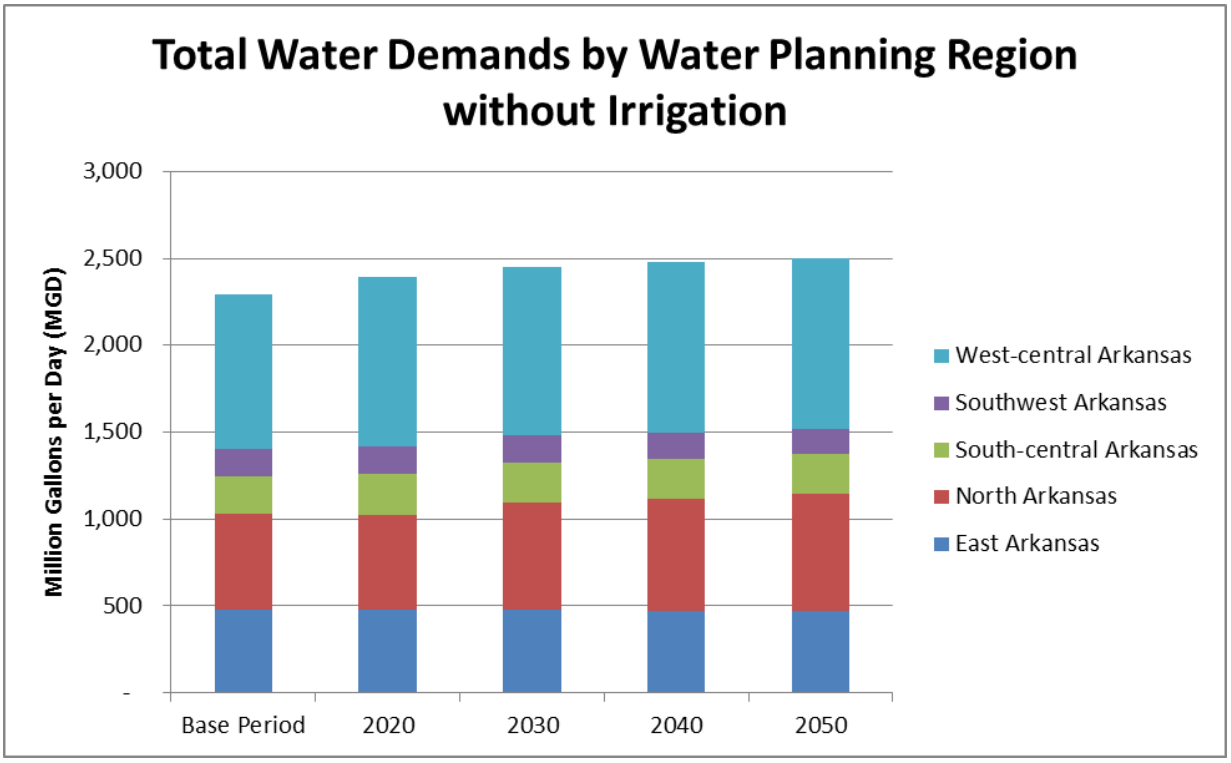


Figure 18.3 Statewide Water Demand by Region, including Thermoelectric Power Withdrawals, and without Crop Irrigation

Current in-stream water needs for navigation are determined for the three rivers in Arkansas where commercial shipping occurs and is federally supported—the Arkansas, White, and Ouachita Rivers. The Mississippi River is not considered in navigation water supply needs for the water plan update. The estimates of minimum flow requirements and maximum level constraints for navigation are described in Section 15 for each river.

The distribution of the Arkansas rivers with commercial navigation among the planning regions is summarized in **Table 18.3** and illustrated in **Figure 18.4**. There are currently no federal navigation projects in the North and Southwest Arkansas Water Resources Planning Regions. However, the USACE is conducting a feasibility study for extending navigation on the Red River into Arkansas, which would be in the Southwest Arkansas Water Resources Planning Region.

Table 18.3 Navigation in the Planning Regions

Planning Region	Rivers with Federal Navigation Projects
East Arkansas	White River, Arkansas River downstream of Little Rock
West Central Arkansas	Arkansas River from Fort Smith to Little Rock
South Central Arkansas	Ouachita River

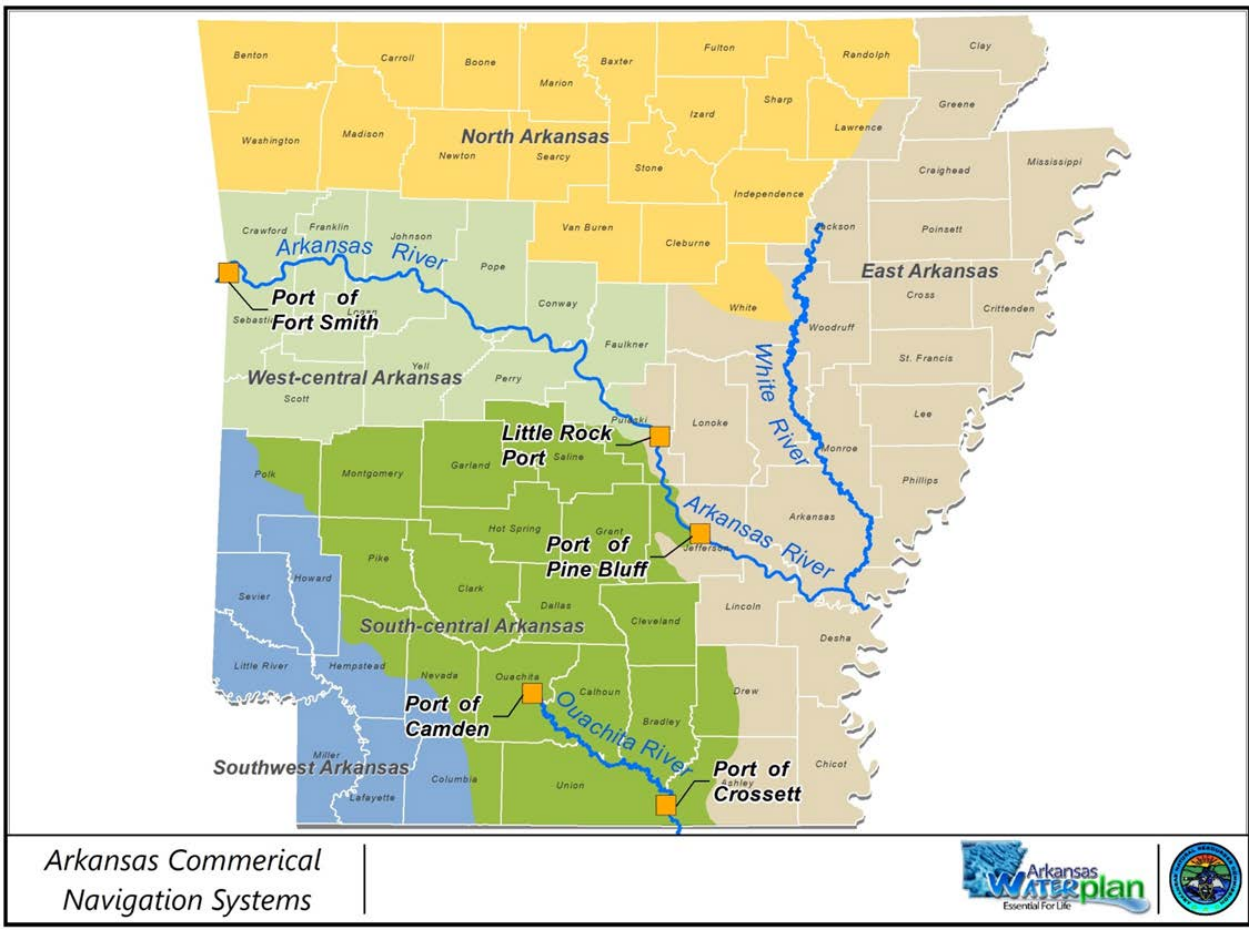


Figure 18.4 Navigable Rivers by Planning Region

19.0 Forecasts by Sources

The water demands for all sectors, except navigation, are developed on the county level. As discussed in Section 16, water demands are replicated at the individual withdrawal point level and re-aggregated by source (i.e., groundwater aquifer or surface water basin). The forecasts of each sector are distributed among groundwater aquifers (defined by aquifer codes) and surface water basins (defined by HUC 8 codes). The percentage distribution of sector demand by county is reported in the appendices of the respective sections.

Table 19.1 shows the statewide water demand by sector, the base period percent of water by source for each sector, and the base period and 2050 mgd for each sector by source. Overall, about 71 percent of statewide water demand (including thermoelectric power withdrawals) is from groundwater sources. Because of assumptions made in the demand forecasting methodology of each sector, these percentages are assumed to remain fairly constant to 2050.

Table 19.1 Water Demand Forecast in MGD, with Thermoelectric Power Withdrawals

Sector	Base Period		Base Period MGD		2050 MGD	
	%GW	%SW	GW	SW	GW	SW
Crop Irrigation	84.2%	15.7%	7,427	1,388	8,459	1,580
Thermoelectric	0.3%	99.7%	3	1,174	3	1,351
Municipal	29.4%	70.6%	113	271	109	394
Industrial	24.6%	75.4%	72	219	52	149
Duck Habitat	36.4%	63.6%	94	165	94	165
Aquaculture	100.0%	0.0%	103	-	103	-
Livestock	39.9%	60.1%	11	16	12	18
Self-Supplied Domestic	100.0%	0.0%	13	-	14	-
Shale Gas	0.0%	100.0%	-	11	-	-
Mining	15.5%	84.5%	1	5	2	12
Self-Supplied Commercial	17.5%	82.5%	1	4	1	6
TOTAL			**7,838** 71%	**3,254** 29%	**8,849** 71%	**3,675** 29%

20.0 Recommendations

The AWP Update involves several major steps including the quantification of current and future water needs (referred to as water demand) in order to provide an answer to the question – *How much water do we need?* These estimates of future water demand are intended for statewide and regional planning purposes, and are not intended to replace local water resource planning efforts. Furthermore, the estimates of future water demand as provided in this report attempted to utilize consistent data and assumptions, along with uniform methodologies in order to provide reasonable estimates of future statewide and regional water use.

As always, this type of analysis is constrained by the available information. Self-reported information in data bases such as WUDBS, COA and CAPS are susceptible to error and omissions. One benefit of periodic updates to analyses such as this is that data collection methods are constantly improving. In particular, the ANRC and USGS should continue to develop procedures for improving the reporting and validation of self-reported water use information. In addition, geographic information such as the coordinates of water withdrawal points should be required as water use information is updated.

The ANRC may wish to collaborate with AIEA and the ADWS in a way that their respective projections of population and employment can be incorporated into future AWP Updates.

Some water-using sectors such as industry, mining and agriculture are affected by factors external to the state, such as commodity price fluctuations and the global demand for goods and services. These external factors may affect water demands within the state. Thus, the water demand projections of the AWP should be periodically checked with actual water use records. Tracking of projected versus actual water use by sector may provide insights that can be used to refine the water demand forecasts for future AWP Updates.

Crop irrigation is the largest water use in the state, and is predominately supplied by groundwater. This presents an opportunity to balance water sources in a manner that will supply agriculture with a sustainable water supply portfolio. Accurate measurement of water withdrawals by source, such as aquifer code, location, and depth can refine the level of information used in balancing water supply.

Appendix A

Population Projections by County and Scenario

ANRC County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	19,019	18,361	17,702	17,265	16,827	16,591	16,354	16,260	16,165
Ashley	21,853	21,237	20,620	20,387	20,153	20,099	20,044	20,038	20,032
Baxter	41,513	41,785	42,056	42,063	42,069	42,069	42,069	42,069	42,069
Benton	221,339	252,292	283,244	308,709	334,173	351,076	367,979	375,127	382,275
Boone	36,903	37,282	37,660	37,682	37,704	37,704	37,704	37,704	37,704
Bradley	11,508	11,500	11,492	11,492	11,492	11,492	11,492	11,492	11,492
Calhoun	5,368	5,254	5,139	5,085	5,030	5,012	4,994	4,991	4,988
Carroll	27,446	27,536	27,625	27,626	27,626	27,626	27,626	27,626	27,626
Chicot	11,800	10,822	9,844	9,085	8,325	7,807	7,288	6,995	6,701
Clark	22,995	23,004	23,012	23,012	23,012	23,012	23,012	23,012	23,012
Clay	16,083	15,577	15,071	14,798	14,524	14,416	14,308	14,281	14,253
Cleburne	25,970	26,122	26,274	26,277	26,280	26,280	26,280	26,280	26,280
Cleveland	8,689	8,690	8,691	8,691	8,691	8,691	8,691	8,691	8,691
Columbia	24,552	24,268	23,983	23,869	23,755	23,727	23,698	23,695	23,691
Conway	21,273	21,559	21,845	21,947	22,048	22,060	22,072	22,072	22,072
Craighead	96,443	103,315	110,187	116,514	122,840	128,159	133,478	137,173	140,868
Crawford	61,948	64,737	67,525	68,621	69,716	69,870	70,024	70,027	70,029
Crittenden	50,902	50,902	50,902	50,902	50,902	50,902	50,902	50,902	50,902
Cross	17,870	17,587	17,304	17,089	16,873	16,729	16,585	16,507	16,428
Dallas	8,116	7,742	7,367	7,155	6,943	6,853	6,762	6,737	6,711
Desha	13,008	12,061	11,113	10,420	9,726	9,292	8,857	8,642	8,426
Drew	18,509	18,753	18,997	19,174	19,350	19,439	19,528	19,550	19,571
Faulkner	113,237	126,410	139,583	152,410	165,236	176,726	188,215	197,538	206,860
Franklin	18,125	18,127	18,129	18,129	18,129	18,129	18,129	18,129	18,129
Fulton	12,245	12,284	12,322	12,323	12,323	12,323	12,323	12,323	12,323
Garland	96,024	97,125	98,225	98,299	98,373	98,373	98,373	98,373	98,373
Grant	17,853	18,053	18,252	18,267	18,281	18,281	18,281	18,281	18,281
Greene	42,090	43,828	45,566	46,465	47,363	47,588	47,812	47,825	47,837
Hempstead	22,609	22,733	22,856	22,900	22,943	22,953	22,962	22,963	22,963
Hot Spring	32,923	33,373	33,822	33,872	33,921	33,922	33,922	33,922	33,922
Howard	13,789	13,793	13,796	13,796	13,796	13,796	13,796	13,796	13,796

ANRC County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Independence	36,647	37,390	38,133	38,402	38,670	38,702	38,734	38,734	38,734
Izard	13,696	13,707	13,718	13,718	13,718	13,718	13,718	13,718	13,718
Jackson	17,997	17,847	17,696	17,605	17,513	17,470	17,427	17,413	17,399
Jefferson	77,435	75,422	73,409	72,501	71,592	71,317	71,041	70,995	70,949
Johnson	25,540	26,021	26,501	26,553	26,605	26,606	26,606	26,606	26,606
Lafayette	7,645	7,291	6,937	6,696	6,455	6,320	6,184	6,127	6,070
Lawrence	17,415	17,415	17,415	17,415	17,415	17,415	17,415	17,415	17,415
Lee	10,424	9,767	9,110	8,797	8,484	8,381	8,278	8,259	8,239
Lincoln	14,134	14,150	14,166	14,166	14,166	14,166	14,166	14,166	14,166
Little River	13,171	12,973	12,774	12,613	12,451	12,333	12,215	12,142	12,068
Logan	22,353	22,610	22,867	22,947	23,027	23,034	23,040	23,041	23,041
Lonoke	68,356	75,628	82,900	89,238	95,576	100,325	105,073	107,663	110,253
Madison	15,717	15,937	16,156	16,173	16,190	16,190	16,190	16,190	16,190
Marion	16,653	16,656	16,659	16,659	16,659	16,659	16,659	16,659	16,659
Miller	43,462	44,711	45,960	46,799	47,637	48,000	48,363	48,426	48,489
Mississippi	46,480	43,766	41,051	38,388	35,724	33,137	30,549	28,071	25,592
Monroe	8,149	7,353	6,557	6,034	5,510	5,231	4,951	4,843	4,734
Montgomery	9,487	9,490	9,493	9,493	9,493	9,493	9,493	9,493	9,493
Nevada	8,997	8,721	8,445	8,325	8,204	8,169	8,134	8,129	8,123
Newton	8,330	8,429	8,527	8,560	8,592	8,596	8,599	8,599	8,599
Ouachita	26,120	25,007	23,893	23,045	22,197	21,633	21,069	20,763	20,457
Perry	10,445	10,446	10,447	10,447	10,447	10,447	10,447	10,447	10,447
Phillips	21,757	19,989	18,221	17,062	15,903	15,289	14,674	14,437	14,200
Pike	11,291	11,558	11,825	12,032	12,239	12,360	12,481	12,521	12,560
Poinsett	24,583	24,583	24,582	24,582	24,582	24,582	24,582	24,582	24,582
Polk	20,662	20,666	20,670	20,670	20,670	20,670	20,670	20,670	20,670
Pope	61,754	64,334	66,913	68,163	69,413	69,686	69,958	69,970	69,981
Prairie	8,715	8,540	8,364	8,221	8,077	7,971	7,865	7,798	7,730
Pulaski	382,748	391,043	399,338	404,258	409,178	410,821	412,463	412,628	412,792
Randolph	17,969	18,316	18,662	18,996	19,329	19,638	19,946	20,208	20,469
Saint Francis	28,258	28,255	28,251	28,251	28,251	28,251	28,251	28,251	28,251
Saline	107,118	117,852	128,586	137,392	146,198	152,010	157,822	160,250	162,678

ANRC County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Scott	11,233	11,243	11,252	11,252	11,252	11,252	11,252	11,252	11,252
Searcy	8,195	8,233	8,270	8,285	8,300	8,303	8,305	8,305	8,305
Sebastian	125,744	128,188	130,632	131,106	131,580	131,595	131,610	131,610	131,610
Sevier	17,058	17,292	17,525	17,552	17,579	17,579	17,579	17,579	17,579
Sharp	17,264	17,264	17,264	17,264	17,264	17,264	17,264	17,264	17,264
Stone	12,394	12,507	12,620	12,626	12,632	12,632	12,632	12,632	12,632
Union	41,639	40,369	39,099	38,454	37,809	37,576	37,342	37,291	37,240
Van Buren	17,295	17,427	17,558	17,565	17,571	17,571	17,571	17,571	17,571
Washington	203,065	225,479	247,893	269,769	291,644	312,431	333,218	351,892	370,565
White	77,076	80,126	83,175	84,405	85,634	85,636	85,637	85,637	85,637
Woodruff	7,260	6,695	6,130	5,754	5,377	5,172	4,967	4,885	4,803
Yell	22,185	22,230	22,274	22,275	22,275	22,275	22,275	22,275	22,275
TOTAL	2,915,918	3,019,020	3,122,122	3,204,814	3,287,506	3,348,891	3,410,275	3,450,416	3,490,557

AIEA County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	19,019	19,361	19,028	18,695	18,362	18,033	17,709	17,392	17,080
Ashley	21,853	22,602	22,109	21,616	21,123	20,637	20,162	19,698	19,244
Baxter	41,513	47,315	50,719	54,123	57,526	61,054	64,799	68,773	72,990
Benton	221,339	261,442	298,572	335,701	372,831	412,287	455,919	504,167	557,522
Boone	36,903	40,203	42,456	44,709	46,962	49,282	51,716	54,270	56,950
Bradley	11,508	11,652	11,335	11,019	10,702	10,391	10,089	9,795	9,510
Calhoun	5,368	5,314	5,208	5,101	4,995	4,890	4,787	4,686	4,588
Carroll	27,446	27,919	28,532	29,146	29,759	30,380	31,014	31,662	32,323
Chicot	11,800	11,234	10,301	9,368	8,434	7,560	6,776	6,074	5,444
Clark	22,995	23,105	23,105	23,105	23,105	23,105	23,105	23,105	23,105
Clay	16,083	15,100	14,346	13,591	12,837	12,109	11,422	10,774	10,163
Cleburne	25,970	28,213	29,653	31,093	32,533	34,012	35,559	37,175	38,865
Cleveland	8,689	9,648	10,016	10,384	10,753	11,128	11,517	11,920	12,336
Columbia	24,552	23,876	23,479	23,081	22,683	22,290	21,903	21,523	21,150
Conway	21,273	20,589	20,589	20,589	20,589	20,589	20,589	20,589	20,589
Craighead	96,443	99,184	105,240	111,296	117,352	123,600	130,181	137,112	144,412
Crawford	61,948	65,539	69,627	73,714	77,802	82,022	86,470	91,160	96,104
Crittenden	50,902	51,488	51,488	51,488	51,488	51,488	51,488	51,488	51,488
Cross	17,870	18,545	18,303	18,060	17,817	17,577	17,339	17,105	16,874
Dallas	8,116	7,749	7,334	6,919	6,504	6,104	5,729	5,377	5,047
Desha	13,008	13,659	13,207	12,756	12,304	11,862	11,436	11,025	10,629
Drew	18,509	18,524	18,524	18,524	18,524	18,524	18,524	18,524	18,524
Faulkner	113,237	122,626	135,133	147,640	160,147	173,262	187,451	202,801	219,409
Franklin	18,125	18,986	19,404	19,823	20,242	20,666	21,099	21,541	21,993
Fulton	12,245	13,271	13,890	14,509	15,128	15,762	16,423	17,112	17,830
Garland	96,024	102,972	107,895	112,818	117,741	122,790	128,056	133,547	139,274
Grant	17,853	19,667	20,786	21,905	23,023	24,176	25,386	26,656	27,990
Greene	42,090	44,142	46,495	48,848	51,201	53,620	56,154	58,807	61,586
Hempstead	22,609	23,469	23,469	23,469	23,469	23,469	23,469	23,469	23,469
Hot Spring	32,923	30,880	30,996	31,111	31,226	31,341	31,457	31,574	31,690
Howard	13,789	14,876	15,057	15,237	15,418	15,600	15,784	15,971	16,159

AIEA County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Independence	36,647	36,556	37,424	38,291	39,159	40,038	40,937	41,856	42,795
Izard	13,696	13,811	14,034	14,258	14,481	14,707	14,936	15,168	15,404
Jackson	17,997	15,557	14,771	13,985	13,200	12,441	11,726	11,052	10,417
Jefferson	77,435	79,326	77,811	76,297	74,782	73,286	71,820	70,383	68,974
Johnson	25,540	26,527	27,804	29,081	30,358	31,669	33,035	34,461	35,948
Lafayette	7,645	7,239	6,790	6,340	5,891	5,462	5,064	4,695	4,352
Lawrence	17,415	17,417	17,417	17,417	17,417	17,417	17,417	17,417	17,417
Lee	10,424	9,358	8,283	7,208	6,132	5,161	4,344	3,656	3,078
Lincoln	14,134	14,368	14,368	14,368	14,368	14,368	14,368	14,368	14,368
Little River	13,171	13,260	13,260	13,260	13,260	13,260	13,260	13,260	13,260
Logan	22,353	24,255	24,871	25,487	26,103	26,728	27,368	28,023	28,694
Lonoke	68,356	78,593	87,646	96,698	105,751	115,288	125,684	137,019	149,375
Madison	15,717	16,378	17,148	17,917	18,687	19,476	20,298	21,155	22,048
Marion	16,653	17,342	17,804	18,267	18,730	19,199	19,681	20,174	20,680
Miller	43,462	46,644	48,542	50,441	52,339	54,279	56,291	58,378	60,542
Mississippi	46,480	43,834	41,720	39,606	37,492	35,447	33,514	31,687	29,959
Monroe	8,149	7,492	6,611	5,729	4,848	4,055	3,392	2,837	2,373
Montgomery	9,487	9,792	10,023	10,255	10,487	10,722	10,962	11,207	11,458
Nevada	8,997	9,224	9,045	8,867	8,688	8,511	8,338	8,168	8,002
Newton	8,330	8,484	8,484	8,484	8,484	8,484	8,484	8,484	8,484
Ouachita	26,120	24,240	22,821	21,403	19,984	18,624	17,356	16,175	15,074
Perry	10,445	10,897	11,097	11,297	11,498	11,700	11,906	12,116	12,329
Phillips	21,757	20,151	18,261	16,371	14,481	12,731	11,192	9,839	8,650
Pike	11,291	10,973	10,973	10,973	10,973	10,973	10,973	10,973	10,973
Poinsett	24,583	24,870	24,657	24,444	24,231	24,019	23,809	23,600	23,394
Polk	20,662	19,423	19,119	18,815	18,511	18,210	17,914	17,622	17,336
Pope	61,754	61,207	63,604	66,002	68,399	70,847	73,384	76,011	78,732
Prairie	8,715	7,669	6,969	6,269	5,569	4,919	4,345	3,838	3,390
Pulaski	382,748	376,340	381,080	385,820	390,559	395,334	400,167	405,058	410,010
Randolph	17,969	19,137	19,484	19,831	20,178	20,529	20,886	21,249	21,618
Saint Francis	28,258	25,414	24,136	22,858	21,580	20,347	19,184	18,087	17,053
Saline	107,118	106,189	113,896	121,603	129,310	137,301	145,785	154,793	164,358

AIEA County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Scott	11,233	11,481	11,698	11,915	12,132	12,352	12,575	12,803	13,034
Searcy	8,195	8,070	8,079	8,088	8,097	8,106	8,115	8,124	8,133
Sebastian	125,744	125,464	128,954	132,445	135,935	139,479	143,116	146,848	150,677
Sevier	17,058	18,233	19,194	20,154	21,115	22,102	23,136	24,218	25,350
Sharp	17,264	18,167	18,473	18,779	19,085	19,394	19,708	20,027	20,351
Stone	12,394	12,541	12,924	13,307	13,691	14,080	14,481	14,894	15,318
Union	41,639	42,819	42,010	41,200	40,391	39,591	38,807	38,039	37,286
Van Buren	17,295	17,940	18,577	19,214	19,851	20,501	21,171	21,864	22,579
Washington	203,065	221,548	243,126	264,704	286,281	308,870	333,242	359,536	387,906
White	77,076	78,880	82,688	86,496	90,303	94,210	98,285	102,536	106,971
Woodruff	7,260	6,805	6,200	5,596	4,991	4,428	3,929	3,486	3,093
Yell	22,185	21,218	21,161	21,104	21,047	20,990	20,934	20,877	20,821
TOTAL	2,915,918	3,018,285	3,139,334	3,260,383	3,381,433	3,509,245	3,648,828	3,800,932	3,966,402

Woods & Poole County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	19,019	18,750	18,560	18,380	18,190	17,990	17,790	17,591	17,395
Ashley	21,853	21,670	21,540	21,430	21,310	21,170	21,030	20,891	20,752
Baxter	41,513	45,390	49,390	53,370	57,350	61,310	65,270	69,378	73,745
Benton	221,339	267,180	311,480	355,670	399,500	442,900	486,300	532,124	582,267
Boone	36,903	40,540	44,240	47,960	51,670	55,355	59,040	62,867	66,942
Bradley	11,508	11,420	11,370	11,320	11,260	11,200	11,140	11,080	11,021
Calhoun	5,368	5,350	5,370	5,400	5,420	5,435	5,450	5,465	5,480
Carroll	27,446	28,080	28,660	29,270	29,880	30,485	31,090	31,702	32,326
Chicot	11,800	11,750	11,740	11,740	11,730	11,710	11,690	11,670	11,650
Clark	22,995	23,320	23,710	24,120	24,510	24,895	25,280	25,669	26,063
Clay	16,083	16,120	16,200	16,290	16,370	16,450	16,530	16,610	16,691
Cleburne	25,970	28,500	31,070	33,680	36,280	38,870	41,460	44,150	47,014
Cleveland	8,689	8,990	9,300	9,620	9,930	10,240	10,550	10,866	11,191
Columbia	24,552	24,430	24,400	24,380	24,350	24,300	24,250	24,200	24,150
Conway	21,273	21,910	22,600	23,310	24,010	24,695	25,380	26,076	26,792
Craighead	96,443	99,810	103,100	106,500	109,900	113,295	116,690	120,145	123,702
Crawford	61,948	64,420	66,940	69,520	72,060	74,575	77,090	79,655	82,305
Crittenden	50,902	50,820	50,840	50,920	51,000	51,080	51,160	51,240	51,320
Cross	17,870	17,590	17,380	17,190	17,000	16,820	16,640	16,461	16,284
Dallas	8,116	7,980	7,900	7,820	7,730	7,635	7,540	7,446	7,353
Desha	13,008	12,700	12,450	12,210	11,960	11,695	11,430	11,169	10,913
Drew	18,509	18,810	19,140	19,490	19,830	20,155	20,480	20,808	21,141
Faulkner	113,237	140,170	166,740	193,520	220,340	247,185	274,030	302,528	333,990
Franklin	18,125	18,700	19,320	19,960	20,580	21,195	21,810	22,436	23,079
Fulton	12,245	12,530	12,850	13,180	13,500	13,820	14,140	14,464	14,796
Garland	96,024	103,670	111,430	119,290	127,120	134,920	142,720	150,782	159,300
Grant	17,853	18,600	19,360	20,130	20,900	21,655	22,410	23,181	23,978
Greene	42,090	42,990	43,890	44,820	45,750	46,675	47,600	48,536	49,490
Hempstead	22,609	22,890	23,220	23,560	23,900	24,225	24,550	24,878	25,210
Hot Spring	32,923	33,630	34,380	35,160	35,920	36,665	37,410	38,164	38,933
Howard	13,789	13,810	13,830	13,860	13,890	13,920	13,950	13,980	14,010

Woods & Poole County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Independence	36,647	38,990	41,330	43,700	46,060	48,410	50,760	53,177	55,708
Izard	13,696	14,040	14,430	14,820	15,220	15,600	15,980	16,365	16,760
Jackson	17,997	17,830	17,720	17,620	17,500	17,380	17,260	17,140	17,022
Jefferson	77,435	77,130	77,060	77,030	76,960	76,840	76,720	76,600	76,480
Johnson	25,540	26,090	26,660	27,230	27,800	28,355	28,910	29,471	30,044
Lafayette	7,645	7,510	7,410	7,300	7,200	7,085	6,970	6,856	6,744
Lawrence	17,415	17,570	17,760	17,970	18,160	18,355	18,550	18,746	18,945
Lee	10,424	9,980	9,580	9,200	8,820	8,450	8,080	7,720	7,376
Lincoln	14,134	14,170	14,270	14,380	14,480	14,570	14,660	14,750	14,841
Little River	13,171	13,360	13,610	13,870	14,130	14,385	14,640	14,898	15,160
Logan	22,353	22,930	23,580	24,250	24,900	25,545	26,190	26,845	27,516
Lonoke	68,356	74,880	81,310	87,870	94,290	100,755	107,220	113,926	121,051
Madison	15,717	15,760	15,850	15,980	16,120	16,280	16,440	16,601	16,763
Marion	16,653	17,700	18,810	19,940	21,060	22,170	23,280	24,422	25,621
Miller	43,462	44,810	46,180	47,590	48,990	50,365	51,740	53,137	54,572
Mississippi	46,480	45,720	45,200	44,690	44,150	43,575	43,000	42,430	41,867
Monroe	8,149	7,960	7,840	7,720	7,590	7,460	7,330	7,201	7,075
Montgomery	9,487	9,970	10,490	11,010	11,530	12,045	12,560	13,088	13,638
Nevada	8,997	8,940	8,920	8,910	8,900	8,890	8,880	8,870	8,860
Newton	8,330	8,660	9,010	9,370	9,730	10,085	10,440	10,802	11,177
Ouachita	26,120	26,130	26,190	26,260	26,310	26,350	26,390	26,430	26,470
Perry	10,445	11,390	12,370	13,360	14,350	15,335	16,320	17,342	18,427
Phillips	21,757	20,740	19,890	19,080	18,270	17,475	16,680	15,907	15,170
Pike	11,291	11,330	11,400	11,480	11,550	11,625	11,700	11,775	11,851
Poinsett	24,583	24,520	24,530	24,550	24,570	24,565	24,560	24,555	24,550
Polk	20,662	21,460	22,280	23,120	23,950	24,775	25,600	26,441	27,310
Pope	61,754	63,680	65,630	67,630	69,590	71,530	73,470	75,441	77,465
Prairie	8,715	8,610	8,540	8,470	8,400	8,320	8,240	8,160	8,082
Pulaski	382,748	397,610	412,460	427,590	442,570	457,360	472,150	487,222	502,775
Randolph	17,969	18,260	18,600	18,950	19,300	19,645	19,990	20,339	20,693
Saint Francis	28,258	27,770	27,440	27,150	26,870	26,590	26,310	26,032	25,757
Saline	107,118	115,480	123,690	132,000	140,280	148,530	156,780	165,297	174,277

Woods & Poole County Population Projections

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Scott	11,233	11,480	11,710	11,940	12,170	12,385	12,600	12,817	13,038
Searcy	8,195	8,230	8,300	8,360	8,420	8,480	8,540	8,600	8,661
Sebastian	125,744	133,890	142,170	150,570	158,930	167,250	175,570	184,132	193,111
Sevier	17,058	17,280	17,460	17,650	17,840	18,020	18,200	18,381	18,564
Sharp	17,264	17,390	17,580	17,770	17,960	18,140	18,320	18,501	18,684
Stone	12,394	12,620	12,870	13,120	13,370	13,615	13,860	14,108	14,360
Union	41,639	42,190	42,920	43,680	44,410	45,125	45,840	46,562	47,295
Van Buren	17,295	17,690	18,150	18,620	19,090	19,545	20,000	20,461	20,933
Washington	203,065	213,030	222,680	232,680	242,760	252,910	263,060	273,449	284,249
White	77,076	85,340	93,530	101,800	110,070	118,315	126,560	135,137	144,296
Woodruff	7,260	7,120	7,000	6,880	6,760	6,635	6,510	6,386	6,265
Yell	22,185	22,660	23,150	23,660	24,170	24,660	25,150	25,646	26,151
TOTAL	2,915,918	3,082,420	3,249,960	3,419,890	3,588,690	3,756,300	3,923,910	4,098,381	4,284,940

Appendix B

Employment Growth Rates by County

Manufacturing NAICS Codes

NAICS	Description
311	Food Manufacturing
312	Beverage and Tobacco Product Manufacturing
314	Textile Product Mills
315	Apparel Manufacturing
316	Leather and Allied Product Manufacturing
321	Wood Product Manufacturing
322	Paper Manufacturing
323	Printing and Related Support Activities
324	Petroleum and Coal Products Manufacturing
325	Chemical Manufacturing
326	Plastics and Rubber Products Manufacturing
327	Nonmetallic Mineral Product Manufacturing
331	Primary Metal Manufacturing
332	Fabricated Metal Product Manufacturing
333	Machinery Manufacturing
334	Computer and Electronic Product Manufacturing
335	Electrical Equipment, Appliance, and Component Manufacturing
336	Transportation Equipment Manufacturing
337	Furniture and Related Product Manufacturing
339	Miscellaneous Manufacturing

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Arkansas	Southeast	311	0.2%	0.2%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	312	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	314	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	315	1.6%	1.6%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	316	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	321	0.9%	0.9%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	322	-1.3%	-1.3%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	323	-100.0%	-100.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	324	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	325	5.7%	5.7%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	326	1.2%	1.2%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	327	-2.5%	-2.5%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	331	-4.0%	-4.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	332	0.2%	0.2%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	333	1.3%	1.3%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	334	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	335	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	336	-4.4%	-4.4%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	337	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Arkansas	Southeast	339	2.7%	2.7%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Ashley	Southeast	311	0.2%	0.2%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	312	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	314	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	315	1.6%	1.6%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	316	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	321	0.9%	0.9%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	322	-1.3%	-1.3%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	323	-100.0%	-100.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	324	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	325	5.7%	5.7%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	326	1.2%	1.2%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	327	-2.5%	-2.5%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Ashley	Southeast	331	-4.0%	-4.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	332	0.2%	0.2%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	333	1.3%	1.3%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	334	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	335	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	336	-4.4%	-4.4%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	337	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Ashley	Southeast	339	2.7%	2.7%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Baxter	Northwest	311	1.1%	1.1%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	312	5.1%	5.1%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	314	2.7%	2.7%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	315	0.0%	0.0%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	316	-11.8%	-11.8%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	321	0.5%	0.5%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	322	1.6%	1.6%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	323	-1.2%	-1.2%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	324	0.0%	0.0%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	325	4.2%	4.2%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	326	0.3%	0.3%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	327	2.2%	2.2%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	331	0.0%	0.0%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	332	0.9%	0.9%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	333	-1.7%	-1.7%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	334	1.1%	1.1%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	335	-6.7%	-6.7%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	336	-1.7%	-1.7%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	337	2.1%	2.1%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Baxter	Northwest	339	3.3%	3.3%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%
Benton	Northwest	311	1.1%	1.1%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	312	5.1%	5.1%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	314	2.7%	2.7%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	315	0.0%	0.0%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Benton	Northwest	316	-11.8%	-11.8%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	321	0.5%	0.5%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	322	1.6%	1.6%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	323	-1.2%	-1.2%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	324	0.0%	0.0%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	325	4.2%	4.2%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	326	0.3%	0.3%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	327	2.2%	2.2%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	331	0.0%	0.0%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	332	0.9%	0.9%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	333	-1.7%	-1.7%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	334	1.1%	1.1%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	335	-6.7%	-6.7%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	336	-1.7%	-1.7%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	337	2.1%	2.1%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Benton	Northwest	339	3.3%	3.3%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%
Boone	Northwest	311	1.1%	1.1%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	312	5.1%	5.1%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	314	2.7%	2.7%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	315	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	316	-11.8%	-11.8%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	321	0.5%	0.5%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	322	1.6%	1.6%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	323	-1.2%	-1.2%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	324	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	325	4.2%	4.2%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	326	0.3%	0.3%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	327	2.2%	2.2%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	331	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	332	0.9%	0.9%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	333	-1.7%	-1.7%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	334	1.1%	1.1%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Boone	Northwest	335	-6.7%	-6.7%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	336	-1.7%	-1.7%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	337	2.1%	2.1%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Boone	Northwest	339	3.3%	3.3%	-0.1%	-0.2%	-0.3%	-0.4%	-0.4%	-0.4%
Bradley	Southeast	311	0.2%	0.2%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	312	0.0%	0.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	314	0.0%	0.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	315	1.6%	1.6%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	316	0.0%	0.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	321	0.9%	0.9%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	322	-1.3%	-1.3%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	323	-100.0%	-100.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	324	0.0%	0.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	325	5.7%	5.7%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	326	1.2%	1.2%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	327	-2.5%	-2.5%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	331	-4.0%	-4.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	332	0.2%	0.2%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	333	1.3%	1.3%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	334	0.0%	0.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	335	0.0%	0.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	336	-4.4%	-4.4%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	337	0.0%	0.0%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Bradley	Southeast	339	2.7%	2.7%	-1.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%
Calhoun	Southwest	311	-2.2%	-2.2%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	312	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	314	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	315	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	316	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	321	-0.8%	-0.8%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	322	-1.2%	-1.2%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	323	-6.8%	-6.8%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Calhoun	Southwest	324	1.1%	1.1%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	325	0.3%	0.3%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	326	-1.3%	-1.3%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	327	1.2%	1.2%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	331	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	332	1.2%	1.2%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	333	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	334	-1.3%	-1.3%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	335	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	336	1.0%	1.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	337	0.0%	0.0%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Calhoun	Southwest	339	-5.3%	-5.3%	-0.5%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Carroll	Northwest	311	1.1%	1.1%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	312	5.1%	5.1%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	314	2.7%	2.7%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	315	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	316	-11.8%	-11.8%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	321	0.5%	0.5%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	322	1.6%	1.6%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	323	-1.2%	-1.2%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	324	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	325	4.2%	4.2%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	326	0.3%	0.3%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	327	2.2%	2.2%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	331	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	332	0.9%	0.9%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	333	-1.7%	-1.7%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	334	1.1%	1.1%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	335	-6.7%	-6.7%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	336	-1.7%	-1.7%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	337	2.1%	2.1%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Carroll	Northwest	339	3.3%	3.3%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Chicot	Southeast	311	0.2%	0.2%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	312	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	314	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	315	1.6%	1.6%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	316	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	321	0.9%	0.9%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	322	-1.3%	-1.3%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	323	-100.0%	-100.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	324	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	325	5.7%	5.7%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	326	1.2%	1.2%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	327	-2.5%	-2.5%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	331	-4.0%	-4.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	332	0.2%	0.2%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	333	1.3%	1.3%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	334	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	335	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	336	-4.4%	-4.4%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	337	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Chicot	Southeast	339	2.7%	2.7%	-1.7%	-1.8%	-1.9%	-1.9%	-1.9%	-1.9%
Clark	West-Central	311	0.2%	0.2%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	312	-1.0%	-1.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	314	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	315	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	316	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	321	-1.0%	-1.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	322	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	323	-1.9%	-1.9%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	324	0.9%	0.9%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	325	-1.0%	-1.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	326	-2.8%	-2.8%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	327	1.7%	1.7%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Clark	West-Central	331	-1.0%	-1.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	332	1.1%	1.1%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	333	0.8%	0.8%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	334	3.3%	3.3%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	335	-2.1%	-2.1%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	336	-4.3%	-4.3%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	337	-0.7%	-0.7%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clark	West-Central	339	-0.7%	-0.7%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Clay	Northeast	311	4.9%	4.9%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	312	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	314	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	315	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	316	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	321	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	322	5.0%	5.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	323	-0.7%	-0.7%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	324	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	325	11.2%	11.2%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	326	1.8%	1.8%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	327	1.4%	1.4%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	331	1.4%	1.4%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	332	-3.4%	-3.4%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	333	0.7%	0.7%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	334	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	335	-5.0%	-5.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	336	-3.0%	-3.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	337	-2.6%	-2.6%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Clay	Northeast	339	-4.8%	-4.8%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cleburne	North-Central	311	1.5%	1.5%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	312	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	314	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	315	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Cleburne	North-Central	316	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	321	-1.7%	-1.7%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	322	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	323	-0.4%	-0.4%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	324	-10.2%	-10.2%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	325	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	326	-7.1%	-7.1%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	327	2.1%	2.1%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	331	-1.8%	-1.8%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	332	-5.0%	-5.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	333	6.2%	6.2%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	334	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	335	-6.9%	-6.9%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	336	2.6%	2.6%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	337	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleburne	North-Central	339	0.8%	0.8%	0.0%	-0.1%	-0.1%	-0.3%	-0.3%	-0.3%
Cleveland	Southeast	311	0.2%	0.2%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	312	0.0%	0.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	314	0.0%	0.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	315	1.6%	1.6%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	316	0.0%	0.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	321	0.9%	0.9%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	322	-1.3%	-1.3%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	323	-100.0%	-100.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	324	0.0%	0.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	325	5.7%	5.7%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	326	1.2%	1.2%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	327	-2.5%	-2.5%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	331	-4.0%	-4.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	332	0.2%	0.2%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	333	1.3%	1.3%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	334	0.0%	0.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Cleveland	Southeast	335	0.0%	0.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	336	-4.4%	-4.4%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	337	0.0%	0.0%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Cleveland	Southeast	339	2.7%	2.7%	-0.6%	-0.6%	-0.8%	-0.9%	-0.9%	-0.9%
Columbia	Southwest	311	-2.2%	-2.2%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	312	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	314	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	315	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	316	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	321	-0.8%	-0.8%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	322	-1.2%	-1.2%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	323	-6.8%	-6.8%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	324	1.1%	1.1%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	325	0.3%	0.3%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	326	-1.3%	-1.3%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	327	1.2%	1.2%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	331	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	332	1.2%	1.2%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	333	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	334	-1.3%	-1.3%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	335	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	336	1.0%	1.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	337	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Columbia	Southwest	339	-5.3%	-5.3%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%	-0.8%
Conway	West-Central	311	0.2%	0.2%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	312	-1.0%	-1.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	314	0.0%	0.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	315	0.0%	0.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	316	0.0%	0.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	321	-1.0%	-1.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	322	0.0%	0.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	323	-1.9%	-1.9%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Conway	West-Central	324	0.9%	0.9%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	325	-1.0%	-1.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	326	-2.8%	-2.8%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	327	1.7%	1.7%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	331	-1.0%	-1.0%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	332	1.1%	1.1%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	333	0.8%	0.8%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	334	3.3%	3.3%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	335	-2.1%	-2.1%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	336	-4.3%	-4.3%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	337	-0.7%	-0.7%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Conway	West-Central	339	-0.7%	-0.7%	-2.0%	-2.1%	-2.2%	-2.3%	-2.3%	-2.3%
Craighead	Northeast	311	4.9%	4.9%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	312	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	314	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	315	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	316	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	321	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	322	5.0%	5.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	323	-0.7%	-0.7%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	324	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	325	11.2%	11.2%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	326	1.8%	1.8%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	327	1.4%	1.4%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	331	1.4%	1.4%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	332	-3.4%	-3.4%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	333	0.7%	0.7%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	334	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	335	-5.0%	-5.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	336	-3.0%	-3.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	337	-2.6%	-2.6%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Craighead	Northeast	339	-4.8%	-4.8%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Crawford	West	311	-0.3%	-0.3%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	312	2.6%	2.6%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	314	-1.0%	-1.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	315	-3.6%	-3.6%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	316	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	321	-1.9%	-1.9%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	322	1.8%	1.8%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	323	-4.7%	-4.7%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	324	0.0%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	325	-20.5%	-20.5%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	326	-7.3%	-7.3%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	327	0.7%	0.7%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	331	1.1%	1.1%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	332	2.5%	2.5%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	333	0.7%	0.7%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	334	-4.1%	-4.1%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	335	1.0%	1.0%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	336	-2.8%	-2.8%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	337	-4.8%	-4.8%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crawford	West	339	-3.7%	-3.7%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Crittenden	East	311	-3.2%	-3.2%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	312	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	314	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	315	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	316	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	321	-9.5%	-9.5%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	322	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	323	-25.9%	-25.9%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	324	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	325	-12.5%	-12.5%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	326	-7.6%	-7.6%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	327	-0.1%	-0.1%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Crittenden	East	331	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	332	-4.7%	-4.7%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	333	-6.4%	-6.4%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	334	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	335	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	336	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	337	3.4%	3.4%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Crittenden	East	339	0.0%	0.0%	-1.7%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Cross	East	311	-3.2%	-3.2%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	312	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	314	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	315	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	316	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	321	-9.5%	-9.5%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	322	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	323	-25.9%	-25.9%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	324	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	325	-12.5%	-12.5%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	326	-7.6%	-7.6%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	327	-0.1%	-0.1%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	331	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	332	-4.7%	-4.7%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	333	-6.4%	-6.4%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	334	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	335	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	336	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	337	3.4%	3.4%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Cross	East	339	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.1%	-1.1%	-1.1%
Dallas	Southwest	311	-2.2%	-2.2%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	312	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	314	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	315	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Dallas	Southwest	316	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	321	-0.8%	-0.8%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	322	-1.2%	-1.2%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	323	-6.8%	-6.8%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	324	1.1%	1.1%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	325	0.3%	0.3%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	326	-1.3%	-1.3%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	327	1.2%	1.2%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	331	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	332	1.2%	1.2%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	333	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	334	-1.3%	-1.3%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	335	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	336	1.0%	1.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	337	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Dallas	Southwest	339	-5.3%	-5.3%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%	-1.7%
Desha	Southeast	311	0.2%	0.2%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	312	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	314	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	315	1.6%	1.6%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	316	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	321	0.9%	0.9%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	322	-1.3%	-1.3%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	323	-100.0%	-100.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	324	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	325	5.7%	5.7%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	326	1.2%	1.2%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	327	-2.5%	-2.5%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	331	-4.0%	-4.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	332	0.2%	0.2%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	333	1.3%	1.3%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	334	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Desha	Southeast	335	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	336	-4.4%	-4.4%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	337	0.0%	0.0%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Desha	Southeast	339	2.7%	2.7%	-1.3%	-1.4%	-1.5%	-1.6%	-1.6%	-1.6%
Drew	Southeast	311	0.2%	0.2%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	312	0.0%	0.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	314	0.0%	0.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	315	1.6%	1.6%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	316	0.0%	0.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	321	0.9%	0.9%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	322	-1.3%	-1.3%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	323	-100.0%	-100.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	324	0.0%	0.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	325	5.7%	5.7%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	326	1.2%	1.2%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	327	-2.5%	-2.5%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	331	-4.0%	-4.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	332	0.2%	0.2%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	333	1.3%	1.3%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	334	0.0%	0.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	335	0.0%	0.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	336	-4.4%	-4.4%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	337	0.0%	0.0%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Drew	Southeast	339	2.7%	2.7%	-1.8%	-1.8%	-1.9%	-2.0%	-2.0%	-2.0%
Faulkner	Central	311	-2.3%	-2.3%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	312	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	314	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	315	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	316	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	321	-9.5%	-9.5%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	322	-0.4%	-0.4%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	323	-1.5%	-1.5%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Faulkner	Central	324	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	325	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	326	-1.8%	-1.8%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	327	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	331	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	332	0.9%	0.9%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	333	3.3%	3.3%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	334	-0.3%	-0.3%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	335	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	336	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	337	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Faulkner	Central	339	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Franklin	West	311	-0.3%	-0.3%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	312	2.6%	2.6%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	314	-1.0%	-1.0%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	315	-3.6%	-3.6%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	316	0.0%	0.0%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	321	-1.9%	-1.9%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	322	1.8%	1.8%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	323	-4.7%	-4.7%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	324	0.0%	0.0%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	325	-20.5%	-20.5%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	326	-7.3%	-7.3%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	327	0.7%	0.7%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	331	1.1%	1.1%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	332	2.5%	2.5%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	333	0.7%	0.7%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	334	-4.1%	-4.1%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	335	1.0%	1.0%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	336	-2.8%	-2.8%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	337	-4.8%	-4.8%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Franklin	West	339	-3.7%	-3.7%	-0.3%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Fulton	North-Central	311	1.5%	1.5%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	312	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	314	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	315	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	316	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	321	-1.7%	-1.7%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	322	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	323	-0.4%	-0.4%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	324	-10.2%	-10.2%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	325	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	326	-7.1%	-7.1%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	327	2.1%	2.1%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	331	-1.8%	-1.8%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	332	-5.0%	-5.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	333	6.2%	6.2%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	334	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	335	-6.9%	-6.9%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	336	2.6%	2.6%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	337	0.0%	0.0%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Fulton	North-Central	339	0.8%	0.8%	-2.0%	-2.0%	-2.2%	-2.2%	-2.2%	-2.2%
Garland	West-Central	311	0.2%	0.2%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	312	-1.0%	-1.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	314	0.0%	0.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	315	0.0%	0.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	316	0.0%	0.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	321	-1.0%	-1.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	322	0.0%	0.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	323	-1.9%	-1.9%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	324	0.9%	0.9%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	325	-1.0%	-1.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	326	-2.8%	-2.8%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	327	1.7%	1.7%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Garland	West-Central	331	-1.0%	-1.0%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	332	1.1%	1.1%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	333	0.8%	0.8%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	334	3.3%	3.3%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	335	-2.1%	-2.1%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	336	-4.3%	-4.3%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	337	-0.7%	-0.7%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Garland	West-Central	339	-0.7%	-0.7%	-0.7%	-0.8%	-0.8%	-0.9%	-0.9%	-0.9%
Grant	Southeast	311	0.2%	0.2%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	312	0.0%	0.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	314	0.0%	0.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	315	1.6%	1.6%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	316	0.0%	0.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	321	0.9%	0.9%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	322	-1.3%	-1.3%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	323	-100.0%	-100.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	324	0.0%	0.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	325	5.7%	5.7%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	326	1.2%	1.2%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	327	-2.5%	-2.5%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	331	-4.0%	-4.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	332	0.2%	0.2%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	333	1.3%	1.3%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	334	0.0%	0.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	335	0.0%	0.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	336	-4.4%	-4.4%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	337	0.0%	0.0%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Grant	Southeast	339	2.7%	2.7%	-1.9%	-2.0%	-2.1%	-2.2%	-2.2%	-2.2%
Greene	Northeast	311	4.9%	4.9%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	312	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	314	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	315	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Greene	Northeast	316	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	321	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	322	5.0%	5.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	323	-0.7%	-0.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	324	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	325	11.2%	11.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	326	1.8%	1.8%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	327	1.4%	1.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	331	1.4%	1.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	332	-3.4%	-3.4%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	333	0.7%	0.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	334	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	335	-5.0%	-5.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	336	-3.0%	-3.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	337	-2.6%	-2.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Greene	Northeast	339	-4.8%	-4.8%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Hempstead	Southwest	311	-2.2%	-2.2%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	312	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	314	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	315	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	316	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	321	-0.8%	-0.8%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	322	-1.2%	-1.2%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	323	-6.8%	-6.8%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	324	1.1%	1.1%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	325	0.3%	0.3%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	326	-1.3%	-1.3%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	327	1.2%	1.2%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	331	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	332	1.2%	1.2%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	333	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	334	-1.3%	-1.3%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Hempstead	Southwest	335	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	336	1.0%	1.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	337	0.0%	0.0%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hempstead	Southwest	339	-5.3%	-5.3%	-0.8%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%
Hot Spring	West-Central	311	0.2%	0.2%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	312	-1.0%	-1.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	314	0.0%	0.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	315	0.0%	0.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	316	0.0%	0.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	321	-1.0%	-1.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	322	0.0%	0.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	323	-1.9%	-1.9%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	324	0.9%	0.9%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	325	-1.0%	-1.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	326	-2.8%	-2.8%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	327	1.7%	1.7%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	331	-1.0%	-1.0%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	332	1.1%	1.1%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	333	0.8%	0.8%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	334	3.3%	3.3%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	335	-2.1%	-2.1%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	336	-4.3%	-4.3%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	337	-0.7%	-0.7%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Hot Spring	West-Central	339	-0.7%	-0.7%	-1.1%	-1.2%	-1.3%	-1.4%	-1.4%	-1.4%
Howard	Southwest	311	-2.2%	-2.2%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	312	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	314	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	315	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	316	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	321	-0.8%	-0.8%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	322	-1.2%	-1.2%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	323	-6.8%	-6.8%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Howard	Southwest	324	1.1%	1.1%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	325	0.3%	0.3%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	326	-1.3%	-1.3%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	327	1.2%	1.2%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	331	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	332	1.2%	1.2%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	333	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	334	-1.3%	-1.3%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	335	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	336	1.0%	1.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	337	0.0%	0.0%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Howard	Southwest	339	-5.3%	-5.3%	-0.6%	-0.6%	-0.7%	-0.8%	-0.8%	-0.8%
Independence	North-Central	311	1.5%	1.5%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	312	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	314	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	315	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	316	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	321	-1.7%	-1.7%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	322	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	323	-0.4%	-0.4%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	324	-10.2%	-10.2%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	325	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	326	-7.1%	-7.1%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	327	2.1%	2.1%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	331	-1.8%	-1.8%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	332	-5.0%	-5.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	333	6.2%	6.2%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	334	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	335	-6.9%	-6.9%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	336	2.6%	2.6%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	337	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%
Independence	North-Central	339	0.8%	0.8%	-0.3%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Izard	North-Central	311	1.5%	1.5%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	312	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	314	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	315	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	316	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	321	-1.7%	-1.7%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	322	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	323	-0.4%	-0.4%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	324	-10.2%	-10.2%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	325	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	326	-7.1%	-7.1%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	327	2.1%	2.1%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	331	-1.8%	-1.8%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	332	-5.0%	-5.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	333	6.2%	6.2%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	334	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	335	-6.9%	-6.9%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	336	2.6%	2.6%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	337	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Izard	North-Central	339	0.8%	0.8%	-0.4%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Jackson	North-Central	311	1.5%	1.5%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	312	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	314	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	315	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	316	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	321	-1.7%	-1.7%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	322	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	323	-0.4%	-0.4%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	324	-10.2%	-10.2%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	325	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	326	-7.1%	-7.1%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	327	2.1%	2.1%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Jackson	North-Central	331	-1.8%	-1.8%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	332	-5.0%	-5.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	333	6.2%	6.2%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	334	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	335	-6.9%	-6.9%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	336	2.6%	2.6%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	337	0.0%	0.0%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jackson	North-Central	339	0.8%	0.8%	-1.5%	-1.6%	-1.7%	-1.8%	-1.8%	-1.8%
Jefferson	Southeast	311	0.2%	0.2%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	312	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	314	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	315	1.6%	1.6%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	316	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	321	0.9%	0.9%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	322	-1.3%	-1.3%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	323	-100.0%	-100.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	324	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	325	5.7%	5.7%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	326	1.2%	1.2%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	327	-2.5%	-2.5%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	331	-4.0%	-4.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	332	0.2%	0.2%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	333	1.3%	1.3%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	334	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	335	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	336	-4.4%	-4.4%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	337	0.0%	0.0%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Jefferson	Southeast	339	2.7%	2.7%	-0.6%	-0.7%	-0.8%	-0.9%	-0.9%	-0.9%
Johnson	West-Central	311	0.2%	0.2%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	312	-1.0%	-1.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	314	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	315	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Johnson	West-Central	316	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	321	-1.0%	-1.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	322	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	323	-1.9%	-1.9%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	324	0.9%	0.9%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	325	-1.0%	-1.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	326	-2.8%	-2.8%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	327	1.7%	1.7%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	331	-1.0%	-1.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	332	1.1%	1.1%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	333	0.8%	0.8%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	334	3.3%	3.3%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	335	-2.1%	-2.1%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	336	-4.3%	-4.3%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	337	-0.7%	-0.7%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Johnson	West-Central	339	-0.7%	-0.7%	0.0%	-0.1%	-0.2%	-0.3%	-0.3%	-0.3%
Lafayette	Southwest	311	-2.2%	-2.2%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	312	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	314	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	315	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	316	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	321	-0.8%	-0.8%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	322	-1.2%	-1.2%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	323	-6.8%	-6.8%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	324	1.1%	1.1%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	325	0.3%	0.3%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	326	-1.3%	-1.3%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	327	1.2%	1.2%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	331	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	332	1.2%	1.2%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	333	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	334	-1.3%	-1.3%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Lafayette	Southwest	335	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	336	1.0%	1.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	337	0.0%	0.0%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lafayette	Southwest	339	-5.3%	-5.3%	-1.8%	-1.3%	-2.2%	-1.6%	-1.6%	-1.6%
Lawrence	Northeast	311	4.9%	4.9%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	312	0.0%	0.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	314	0.0%	0.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	315	0.0%	0.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	316	0.0%	0.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	321	0.0%	0.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	322	5.0%	5.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	323	-0.7%	-0.7%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	324	0.0%	0.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	325	11.2%	11.2%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	326	1.8%	1.8%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	327	1.4%	1.4%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	331	1.4%	1.4%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	332	-3.4%	-3.4%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	333	0.7%	0.7%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	334	0.0%	0.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	335	-5.0%	-5.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	336	-3.0%	-3.0%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	337	-2.6%	-2.6%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lawrence	Northeast	339	-4.8%	-4.8%	-1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Lee	East	311	-3.2%	-3.2%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	312	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	314	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	315	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	316	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	321	-9.5%	-9.5%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	322	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	323	-25.9%	-25.9%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Lee	East	324	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	325	-12.5%	-12.5%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	326	-7.6%	-7.6%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	327	-0.1%	-0.1%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	331	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	332	-4.7%	-4.7%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	333	-6.4%	-6.4%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	334	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	335	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	336	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	337	3.4%	3.4%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lee	East	339	0.0%	0.0%	-1.6%	-1.7%	-1.7%	-1.8%	-1.8%	-1.8%
Lincoln	Southeast	311	0.2%	0.2%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	312	0.0%	0.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	314	0.0%	0.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	315	1.6%	1.6%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	316	0.0%	0.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	321	0.9%	0.9%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	322	-1.3%	-1.3%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	323	-100.0%	-100.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	324	0.0%	0.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	325	5.7%	5.7%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	326	1.2%	1.2%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	327	-2.5%	-2.5%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	331	-4.0%	-4.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	332	0.2%	0.2%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	333	1.3%	1.3%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	334	0.0%	0.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	335	0.0%	0.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	336	-4.4%	-4.4%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	337	0.0%	0.0%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%
Lincoln	Southeast	339	2.7%	2.7%	-1.2%	-1.4%	-1.4%	-1.5%	-1.5%	-1.5%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Little River	Southwest	311	-2.2%	-2.2%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	312	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	314	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	315	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	316	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	321	-0.8%	-0.8%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	322	-1.2%	-1.2%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	323	-6.8%	-6.8%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	324	1.1%	1.1%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	325	0.3%	0.3%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	326	-1.3%	-1.3%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	327	1.2%	1.2%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	331	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	332	1.2%	1.2%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	333	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	334	-1.3%	-1.3%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	335	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	336	1.0%	1.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	337	0.0%	0.0%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Little River	Southwest	339	-5.3%	-5.3%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%	-1.2%
Logan	West	311	-0.3%	-0.3%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	312	2.6%	2.6%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	314	-1.0%	-1.0%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	315	-3.6%	-3.6%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	316	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	321	-1.9%	-1.9%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	322	1.8%	1.8%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	323	-4.7%	-4.7%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	324	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	325	-20.5%	-20.5%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	326	-7.3%	-7.3%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	327	0.7%	0.7%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Logan	West	331	1.1%	1.1%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	332	2.5%	2.5%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	333	0.7%	0.7%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	334	-4.1%	-4.1%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	335	1.0%	1.0%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	336	-2.8%	-2.8%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	337	-4.8%	-4.8%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Logan	West	339	-3.7%	-3.7%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
Lonoke	Central	311	-2.3%	-2.3%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	312	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	314	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	315	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	316	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	321	-9.5%	-9.5%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	322	-0.4%	-0.4%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	323	-1.5%	-1.5%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	324	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	325	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	326	-1.8%	-1.8%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	327	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	331	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	332	0.9%	0.9%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	333	3.3%	3.3%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	334	-0.3%	-0.3%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	335	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	336	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	337	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Lonoke	Central	339	0.0%	0.0%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-0.7%
Madison	Northwest	311	1.1%	1.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	312	5.1%	5.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	314	2.7%	2.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	315	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Madison	Northwest	316	-11.8%	-11.8%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	321	0.5%	0.5%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	322	1.6%	1.6%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	323	-1.2%	-1.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	324	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	325	4.2%	4.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	326	0.3%	0.3%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	327	2.2%	2.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	331	0.0%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	332	0.9%	0.9%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	333	-1.7%	-1.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	334	1.1%	1.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	335	-6.7%	-6.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	336	-1.7%	-1.7%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	337	2.1%	2.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Madison	Northwest	339	3.3%	3.3%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Marion	Northwest	311	1.1%	1.1%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	312	5.1%	5.1%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	314	2.7%	2.7%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	315	0.0%	0.0%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	316	-11.8%	-11.8%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	321	0.5%	0.5%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	322	1.6%	1.6%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	323	-1.2%	-1.2%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	324	0.0%	0.0%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	325	4.2%	4.2%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	326	0.3%	0.3%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	327	2.2%	2.2%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	331	0.0%	0.0%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	332	0.9%	0.9%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	333	-1.7%	-1.7%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	334	1.1%	1.1%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Marion	Northwest	335	-6.7%	-6.7%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	336	-1.7%	-1.7%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	337	2.1%	2.1%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Marion	Northwest	339	3.3%	3.3%	1.5%	1.4%	1.3%	1.3%	1.3%	1.3%
Miller	Southwest	311	-2.2%	-2.2%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	312	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	314	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	315	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	316	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	321	-0.8%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	322	-1.2%	-1.2%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	323	-6.8%	-6.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	324	1.1%	1.1%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	325	0.3%	0.3%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	326	-1.3%	-1.3%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	327	1.2%	1.2%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	331	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	332	1.2%	1.2%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	333	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	334	-1.3%	-1.3%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	335	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	336	1.0%	1.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	337	0.0%	0.0%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Miller	Southwest	339	-5.3%	-5.3%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%
Mississippi	Northeast	311	4.9%	4.9%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	312	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	314	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	315	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	316	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	321	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	322	5.0%	5.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	323	-0.7%	-0.7%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Mississippi	Northeast	324	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	325	11.2%	11.2%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	326	1.8%	1.8%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	327	1.4%	1.4%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	331	1.4%	1.4%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	332	-3.4%	-3.4%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	333	0.7%	0.7%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	334	0.0%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	335	-5.0%	-5.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	336	-3.0%	-3.0%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	337	-2.6%	-2.6%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Mississippi	Northeast	339	-4.8%	-4.8%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Monroe	Central	311	-2.3%	-2.3%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	312	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	314	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	315	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	316	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	321	-9.5%	-9.5%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	322	-0.4%	-0.4%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	323	-1.5%	-1.5%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	324	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	325	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	326	-1.8%	-1.8%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	327	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	331	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	332	0.9%	0.9%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	333	3.3%	3.3%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	334	-0.3%	-0.3%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	335	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	336	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	337	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%
Monroe	Central	339	0.0%	0.0%	-2.4%	-2.1%	-2.4%	-2.7%	-2.7%	-2.7%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Montgomery	West-Central	311	0.2%	0.2%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	312	-1.0%	-1.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	314	0.0%	0.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	315	0.0%	0.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	316	0.0%	0.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	321	-1.0%	-1.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	322	0.0%	0.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	323	-1.9%	-1.9%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	324	0.9%	0.9%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	325	-1.0%	-1.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	326	-2.8%	-2.8%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	327	1.7%	1.7%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	331	-1.0%	-1.0%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	332	1.1%	1.1%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	333	0.8%	0.8%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	334	3.3%	3.3%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	335	-2.1%	-2.1%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	336	-4.3%	-4.3%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	337	-0.7%	-0.7%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Montgomery	West-Central	339	-0.7%	-0.7%	-2.8%	-2.8%	-2.9%	-2.8%	-2.8%	-2.8%
Nevada	Southwest	311	-2.2%	-2.2%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	312	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	314	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	315	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	316	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	321	-0.8%	-0.8%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	322	-1.2%	-1.2%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	323	-6.8%	-6.8%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	324	1.1%	1.1%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	325	0.3%	0.3%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	326	-1.3%	-1.3%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	327	1.2%	1.2%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Nevada	Southwest	331	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	332	1.2%	1.2%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	333	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	334	-1.3%	-1.3%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	335	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	336	1.0%	1.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	337	0.0%	0.0%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Nevada	Southwest	339	-5.3%	-5.3%	-2.4%	-2.4%	-2.5%	-2.6%	-2.6%	-2.6%
Newton	Northwest	311	1.1%	1.1%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	312	5.1%	5.1%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	314	2.7%	2.7%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	315	0.0%	0.0%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	316	-11.8%	-11.8%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	321	0.5%	0.5%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	322	1.6%	1.6%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	323	-1.2%	-1.2%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	324	0.0%	0.0%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	325	4.2%	4.2%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	326	0.3%	0.3%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	327	2.2%	2.2%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	331	0.0%	0.0%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	332	0.9%	0.9%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	333	-1.7%	-1.7%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	334	1.1%	1.1%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	335	-6.7%	-6.7%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	336	-1.7%	-1.7%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	337	2.1%	2.1%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Newton	Northwest	339	3.3%	3.3%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
Ouachita	Southwest	311	-2.2%	-2.2%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	312	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	314	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	315	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Ouachita	Southwest	316	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	321	-0.8%	-0.8%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	322	-1.2%	-1.2%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	323	-6.8%	-6.8%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	324	1.1%	1.1%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	325	0.3%	0.3%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	326	-1.3%	-1.3%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	327	1.2%	1.2%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	331	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	332	1.2%	1.2%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	333	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	334	-1.3%	-1.3%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	335	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	336	1.0%	1.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	337	0.0%	0.0%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Ouachita	Southwest	339	-5.3%	-5.3%	-2.9%	-2.9%	-3.0%	-3.1%	-3.1%	-3.1%
Perry	West-Central	311	0.2%	0.2%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	312	-1.0%	-1.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	314	0.0%	0.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	315	0.0%	0.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	316	0.0%	0.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	321	-1.0%	-1.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	322	0.0%	0.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	323	-1.9%	-1.9%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	324	0.9%	0.9%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	325	-1.0%	-1.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	326	-2.8%	-2.8%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	327	1.7%	1.7%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	331	-1.0%	-1.0%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	332	1.1%	1.1%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	333	0.8%	0.8%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	334	3.3%	3.3%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Perry	West-Central	335	-2.1%	-2.1%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	336	-4.3%	-4.3%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	337	-0.7%	-0.7%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Perry	West-Central	339	-0.7%	-0.7%	-0.6%	-0.6%	-0.9%	-0.9%	-0.9%	-0.9%
Phillips	East	311	-3.2%	-3.2%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	312	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	314	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	315	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	316	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	321	-9.5%	-9.5%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	322	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	323	-25.9%	-25.9%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	324	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	325	-12.5%	-12.5%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	326	-7.6%	-7.6%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	327	-0.1%	-0.1%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	331	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	332	-4.7%	-4.7%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	333	-6.4%	-6.4%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	334	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	335	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	336	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	337	3.4%	3.4%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Phillips	East	339	0.0%	0.0%	-3.9%	-4.1%	-4.0%	-4.2%	-4.2%	-4.2%
Pike	West-Central	311	0.2%	0.2%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	312	-1.0%	-1.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	314	0.0%	0.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	315	0.0%	0.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	316	0.0%	0.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	321	-1.0%	-1.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	322	0.0%	0.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	323	-1.9%	-1.9%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Pike	West-Central	324	0.9%	0.9%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	325	-1.0%	-1.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	326	-2.8%	-2.8%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	327	1.7%	1.7%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	331	-1.0%	-1.0%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	332	1.1%	1.1%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	333	0.8%	0.8%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	334	3.3%	3.3%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	335	-2.1%	-2.1%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	336	-4.3%	-4.3%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	337	-0.7%	-0.7%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Pike	West-Central	339	-0.7%	-0.7%	-1.9%	-1.9%	-2.1%	-2.2%	-2.2%	-2.2%
Poinsett	Northeast	311	4.9%	4.9%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	312	0.0%	0.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	314	0.0%	0.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	315	0.0%	0.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	316	0.0%	0.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	321	0.0%	0.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	322	5.0%	5.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	323	-0.7%	-0.7%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	324	0.0%	0.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	325	11.2%	11.2%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	326	1.8%	1.8%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	327	1.4%	1.4%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	331	1.4%	1.4%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	332	-3.4%	-3.4%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	333	0.7%	0.7%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	334	0.0%	0.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	335	-5.0%	-5.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	336	-3.0%	-3.0%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	337	-2.6%	-2.6%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%
Poinsett	Northeast	339	-4.8%	-4.8%	-2.2%	-2.3%	-2.4%	-2.4%	-2.4%	-2.4%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Polk	West	311	-0.3%	-0.3%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	312	2.6%	2.6%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	314	-1.0%	-1.0%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	315	-3.6%	-3.6%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	316	0.0%	0.0%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	321	-1.9%	-1.9%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	322	1.8%	1.8%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	323	-4.7%	-4.7%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	324	0.0%	0.0%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	325	-20.5%	-20.5%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	326	-7.3%	-7.3%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	327	0.7%	0.7%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	331	1.1%	1.1%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	332	2.5%	2.5%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	333	0.7%	0.7%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	334	-4.1%	-4.1%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	335	1.0%	1.0%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	336	-2.8%	-2.8%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	337	-4.8%	-4.8%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Polk	West	339	-3.7%	-3.7%	-2.4%	-2.5%	-2.5%	-2.6%	-2.6%	-2.6%
Pope	West-Central	311	0.2%	0.2%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	312	-1.0%	-1.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	314	0.0%	0.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	315	0.0%	0.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	316	0.0%	0.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	321	-1.0%	-1.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	322	0.0%	0.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	323	-1.9%	-1.9%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	324	0.9%	0.9%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	325	-1.0%	-1.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	326	-2.8%	-2.8%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	327	1.7%	1.7%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Pope	West-Central	331	-1.0%	-1.0%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	332	1.1%	1.1%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	333	0.8%	0.8%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	334	3.3%	3.3%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	335	-2.1%	-2.1%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	336	-4.3%	-4.3%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	337	-0.7%	-0.7%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Pope	West-Central	339	-0.7%	-0.7%	-0.2%	-0.3%	-0.4%	-0.5%	-0.5%	-0.5%
Prairie	Central	311	-2.3%	-2.3%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	312	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	314	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	315	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	316	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	321	-9.5%	-9.5%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	322	-0.4%	-0.4%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	323	-1.5%	-1.5%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	324	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	325	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	326	-1.8%	-1.8%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	327	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	331	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	332	0.9%	0.9%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	333	3.3%	3.3%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	334	-0.3%	-0.3%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	335	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	336	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	337	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Prairie	Central	339	0.0%	0.0%	-2.1%	-2.4%	-2.5%	-2.5%	-2.5%	-2.5%
Pulaski	Central	311	-2.0%	-2.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	312	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	314	2.9%	2.9%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	315	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Pulaski	Central	316	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	321	-4.9%	-4.9%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	322	-0.5%	-0.5%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	323	-2.4%	-2.4%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	324	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	325	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	326	-2.2%	-2.2%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	327	-7.1%	-7.1%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	331	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	332	0.6%	0.6%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	333	4.3%	4.3%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	334	-0.3%	-0.3%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	335	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	336	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	337	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Pulaski	Central	339	-2.2%	-2.2%	-1.4%	-1.5%	-1.6%	-1.7%	-1.7%	-1.7%
Randolph	Northeast	311	4.9%	4.9%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	312	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	314	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	315	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	316	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	321	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	322	5.0%	5.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	323	-0.7%	-0.7%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	324	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	325	11.2%	11.2%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	326	1.8%	1.8%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	327	1.4%	1.4%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	331	1.4%	1.4%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	332	-3.4%	-3.4%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	333	0.7%	0.7%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	334	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Randolph	Northeast	335	-5.0%	-5.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	336	-3.0%	-3.0%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	337	-2.6%	-2.6%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Randolph	Northeast	339	-4.8%	-4.8%	-0.4%	-0.5%	-0.6%	-0.6%	-0.6%	-0.6%
Saline	Central	311	-2.3%	-2.3%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	312	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	314	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	315	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	316	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	321	-9.5%	-9.5%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	322	-0.4%	-0.4%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	323	-1.5%	-1.5%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	324	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	325	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	326	-1.8%	-1.8%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	327	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	331	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	332	0.9%	0.9%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	333	3.3%	3.3%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	334	-0.3%	-0.3%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	335	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	336	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	337	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Saline	Central	339	0.0%	0.0%	-3.3%	-3.4%	-3.5%	-3.6%	-3.6%	-3.6%
Scott	West	311	-0.3%	-0.3%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	312	2.6%	2.6%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	314	-1.0%	-1.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	315	-3.6%	-3.6%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	316	0.0%	0.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	321	-1.9%	-1.9%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	322	1.8%	1.8%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	323	-4.7%	-4.7%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Scott	West	324	0.0%	0.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	325	-20.5%	-20.5%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	326	-7.3%	-7.3%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	327	0.7%	0.7%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	331	1.1%	1.1%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	332	2.5%	2.5%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	333	0.7%	0.7%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	334	-4.1%	-4.1%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	335	1.0%	1.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	336	-2.8%	-2.8%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	337	-4.8%	-4.8%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Scott	West	339	-3.7%	-3.7%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%
Searcy	Northwest	311	1.1%	1.1%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	312	5.1%	5.1%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	314	2.7%	2.7%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	315	0.0%	0.0%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	316	-11.8%	-11.8%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	321	0.5%	0.5%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	322	1.6%	1.6%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	323	-1.2%	-1.2%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	324	0.0%	0.0%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	325	4.2%	4.2%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	326	0.3%	0.3%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	327	2.2%	2.2%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	331	0.0%	0.0%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	332	0.9%	0.9%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	333	-1.7%	-1.7%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	334	1.1%	1.1%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	335	-6.7%	-6.7%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	336	-1.7%	-1.7%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	337	2.1%	2.1%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%
Searcy	Northwest	339	3.3%	3.3%	-1.7%	-1.8%	-1.8%	-2.0%	-2.0%	-2.0%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Sebastian	West	311	-0.3%	-0.3%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	312	2.6%	2.6%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	314	-1.0%	-1.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	315	-3.6%	-3.6%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	316	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	321	-1.9%	-1.9%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	322	1.8%	1.8%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	323	-4.7%	-4.7%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	324	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	325	-20.5%	-20.5%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	326	-7.3%	-7.3%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	327	0.7%	0.7%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	331	1.1%	1.1%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	332	2.5%	2.5%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	333	0.7%	0.7%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	334	-4.1%	-4.1%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	335	1.0%	1.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	336	-2.8%	-2.8%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	337	-4.8%	-4.8%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sebastian	West	339	-3.7%	-3.7%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%
Sevier	Southwest	311	-2.2%	-2.2%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	312	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	314	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	315	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	316	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	321	-0.8%	-0.8%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	322	-1.2%	-1.2%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	323	-6.8%	-6.8%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	324	1.1%	1.1%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	325	0.3%	0.3%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	326	-1.3%	-1.3%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	327	1.2%	1.2%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Sevier	Southwest	331	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	332	1.2%	1.2%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	333	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	334	-1.3%	-1.3%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	335	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	336	1.0%	1.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	337	0.0%	0.0%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sevier	Southwest	339	-5.3%	-5.3%	-0.8%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Sharp	North-Central	311	1.5%	1.5%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	312	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	314	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	315	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	316	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	321	-1.7%	-1.7%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	322	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	323	-0.4%	-0.4%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	324	-10.2%	-10.2%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	325	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	326	-7.1%	-7.1%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	327	2.1%	2.1%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	331	-1.8%	-1.8%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	332	-5.0%	-5.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	333	6.2%	6.2%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	334	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	335	-6.9%	-6.9%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	336	2.6%	2.6%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	337	0.0%	0.0%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
Sharp	North-Central	339	0.8%	0.8%	-0.9%	-1.0%	-1.1%	-1.2%	-1.2%	-1.2%
St. Francis	East	311	-3.2%	-3.2%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	312	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	314	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	315	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
St. Francis	East	316	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	321	-9.5%	-9.5%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	322	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	323	-25.9%	-25.9%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	324	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	325	-12.5%	-12.5%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	326	-7.6%	-7.6%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	327	-0.1%	-0.1%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	331	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	332	-4.7%	-4.7%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	333	-6.4%	-6.4%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	334	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	335	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	336	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	337	3.4%	3.4%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
St. Francis	East	339	0.0%	0.0%	-3.4%	-3.5%	-3.6%	-3.7%	-3.7%	-3.7%
Stone	North-Central	311	1.5%	1.5%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	312	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	314	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	315	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	316	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	321	-1.7%	-1.7%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	322	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	323	-0.4%	-0.4%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	324	-10.2%	-10.2%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	325	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	326	-7.1%	-7.1%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	327	2.1%	2.1%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	331	-1.8%	-1.8%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	332	-5.0%	-5.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	333	6.2%	6.2%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	334	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Stone	North-Central	335	-6.9%	-6.9%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	336	2.6%	2.6%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	337	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Stone	North-Central	339	0.8%	0.8%	-0.2%	-0.4%	-0.4%	-0.5%	-0.5%	-0.5%
Union	Southwest	311	-2.2%	-2.2%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	312	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	314	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	315	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	316	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	321	-0.8%	-0.8%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	322	-1.2%	-1.2%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	323	-6.8%	-6.8%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	324	1.1%	1.1%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	325	0.3%	0.3%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	326	-1.3%	-1.3%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	327	1.2%	1.2%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	331	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	332	1.2%	1.2%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	333	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	334	-1.3%	-1.3%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	335	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	336	1.0%	1.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	337	0.0%	0.0%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Union	Southwest	339	-5.3%	-5.3%	-0.7%	-0.8%	-0.9%	-1.0%	-1.0%	-1.0%
Van Buren	North-Central	311	1.5%	1.5%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	312	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	314	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	315	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	316	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	321	-1.7%	-1.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	322	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	323	-0.4%	-0.4%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Van Buren	North-Central	324	-10.2%	-10.2%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	325	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	326	-7.1%	-7.1%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	327	2.1%	2.1%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	331	-1.8%	-1.8%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	332	-5.0%	-5.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	333	6.2%	6.2%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	334	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	335	-6.9%	-6.9%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	336	2.6%	2.6%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	337	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Van Buren	North-Central	339	0.8%	0.8%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%
Washington	Northwest	311	1.1%	1.1%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	312	5.1%	5.1%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	314	2.7%	2.7%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	315	0.0%	0.0%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	316	-11.8%	-11.8%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	321	0.5%	0.5%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	322	1.6%	1.6%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	323	-1.2%	-1.2%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	324	0.0%	0.0%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	325	4.2%	4.2%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	326	0.3%	0.3%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	327	2.2%	2.2%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	331	0.0%	0.0%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	332	0.9%	0.9%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	333	-1.7%	-1.7%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	334	1.1%	1.1%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	335	-6.7%	-6.7%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	336	-1.7%	-1.7%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	337	2.1%	2.1%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%
Washington	Northwest	339	3.3%	3.3%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
White	North-Central	311	1.5%	1.5%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	312	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	314	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	315	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	316	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	321	-1.7%	-1.7%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	322	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	323	-0.4%	-0.4%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	324	-10.2%	-10.2%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	325	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	326	-7.1%	-7.1%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	327	2.1%	2.1%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	331	-1.8%	-1.8%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	332	-5.0%	-5.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	333	6.2%	6.2%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	334	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	335	-6.9%	-6.9%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	336	2.6%	2.6%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	337	0.0%	0.0%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
White	North-Central	339	0.8%	0.8%	-0.6%	-0.7%	-0.7%	-0.8%	-0.8%	-0.8%
Woodruff	North-Central	311	1.5%	1.5%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	312	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	314	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	315	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	316	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	321	-1.7%	-1.7%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	322	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	323	-0.4%	-0.4%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	324	-10.2%	-10.2%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	325	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	326	-7.1%	-7.1%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	327	2.1%	2.1%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%

Manufacturing Employment Growth Rates by County and NAICS

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Woodruff	North-Central	331	-1.8%	-1.8%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	332	-5.0%	-5.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	333	6.2%	6.2%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	334	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	335	-6.9%	-6.9%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	336	2.6%	2.6%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	337	0.0%	0.0%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Woodruff	North-Central	339	0.8%	0.8%	-2.0%	-2.1%	-2.3%	-2.3%	-2.3%	-2.3%
Yell	West-Central	311	0.2%	0.2%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	312	-1.0%	-1.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	314	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	315	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	316	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	321	-1.0%	-1.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	322	0.0%	0.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	323	-1.9%	-1.9%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	324	0.9%	0.9%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	325	-1.0%	-1.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	326	-2.8%	-2.8%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	327	1.7%	1.7%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	331	-1.0%	-1.0%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	332	1.1%	1.1%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	333	0.8%	0.8%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	334	3.3%	3.3%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	335	-2.1%	-2.1%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	336	-4.3%	-4.3%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	337	-0.7%	-0.7%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%
Yell	West-Central	339	-0.7%	-0.7%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%

Employment Growth Rate by County for Mining (NAICS 212)

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Arkansas	Southeast	212	1.7%	1.7%	1.34%	0.00%	0.00%	-0.65%	-0.65%	-0.65%
Ashley	Southeast	212	1.7%	1.7%	0.65%	0.48%	0.46%	0.60%	0.60%	0.60%
Baxter	Northwest	212	0.0%	0.0%	3.58%	2.90%	2.22%	1.60%	1.60%	1.60%
Benton	Northwest	212	0.0%	0.0%	1.02%	0.42%	-0.23%	-0.73%	-0.73%	-0.73%
Boone	Northwest	212	0.0%	0.0%	-3.04%	-3.58%	-4.36%	-5.59%	-5.59%	-5.59%
Bradley	Southeast	212	1.7%	1.7%	0.00%	2.71%	-2.64%	0.00%	0.00%	0.00%
Calhoun	Southwest	212	-5%	-5%	0.93%	0.89%	-0.89%	0.00%	0.00%	0.00%
Carroll	Northwest	212	0.0%	0.0%	1.85%	1.22%	0.47%	0.00%	0.00%	0.00%
Chicot	Southeast	212	1.7%	1.7%	0.00%	2.71%	-2.64%	0.00%	0.00%	0.00%
Clark	West_Central	212	-0.6%	-0.6%	1.30%	0.62%	0.00%	-0.61%	-0.61%	-0.61%
Clay	Northeast	212	0.2%	0.2%	6.96%	6.30%	7.28%	6.50%	6.50%	6.50%
Cleburne	North_Central	212	-1.1%	-1.1%	0.73%	0.24%	-0.31%	-0.89%	-0.89%	-0.89%
Cleveland	Southeast	212	1.7%	1.7%	0.73%	0.70%	0.00%	-0.70%	-0.70%	-0.70%
Columbia	Southwest	212	-5%	-5%	0.90%	0.85%	0.81%	0.77%	0.77%	0.77%
Conway	West_Central	212	-0.6%	-0.6%	2.58%	2.02%	1.43%	0.87%	0.87%	0.87%
Craighead	Northeast	212	0.2%	0.2%	2.19%	1.49%	1.16%	0.45%	0.45%	0.45%
Crawford	West	212	4%	4%	4.28%	4.08%	3.90%	3.68%	3.68%	3.68%
Crittenden	East	212	0.0%	0.0%	-0.66%	-0.95%	-1.27%	-1.66%	-1.66%	-1.66%
Cross	East	212	0.0%	0.0%	-0.93%	-1.98%	-1.08%	-2.33%	-2.33%	-2.33%
Dallas	Southwest	212	-5%	-5%	0.82%	-0.81%	0.00%	-1.73%	-1.73%	-1.73%
Desha	Southeast	212	1.7%	1.7%	0.00%	0.00%	0.00%	-0.78%	-0.78%	-0.78%
Drew	Southeast	212	1.7%	1.7%	2.38%	0.00%	0.00%	-2.33%	-2.33%	-2.33%
Faulkner	Central	212	5.08%	5.08%	8.07%	7.52%	6.94%	6.34%	6.34%	6.34%
Franklin	West	212	4%	4%	3.98%	3.79%	3.56%	3.39%	3.39%	3.39%
Fulton	North_Central	212	-1.1%	-1.1%	0.73%	0.00%	0.00%	-0.72%	-0.72%	-0.72%
Garland	West_Central	212	-0.6%	-0.6%	1.36%	0.85%	0.30%	-0.28%	-0.28%	-0.28%
Grant	Southeast	212	1.7%	1.7%	1.05%	0.34%	0.00%	-0.68%	-0.68%	-0.68%
Greene	Northeast	212	0.2%	0.2%	3.19%	2.75%	2.13%	1.39%	1.39%	1.39%
Hempstead	Southwest	212	-5%	-5%	2.13%	1.92%	1.76%	1.61%	1.61%	1.61%
Hot Spring	West_Central	212	-0.6%	-0.6%	1.07%	0.51%	0.00%	-0.68%	-0.68%	-0.68%
Howard	Southwest	212	-5%	-5%	1.99%	1.81%	1.66%	1.53%	1.53%	1.53%
Independence	North_Central	212	-1.1%	-1.1%	1.33%	0.84%	0.40%	-0.27%	-0.27%	-0.27%

Employment Growth Rate by County for Mining (NAICS 212)

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Izard	North_Central	212	-1.1%	-1.1%	4.42%	3.78%	3.18%	2.62%	2.62%	2.62%
Jackson	North_Central	212	-1.1%	-1.1%	1.11%	0.70%	0.17%	-0.52%	-0.52%	-0.52%
Jefferson	Southeast	212	1.7%	1.7%	1.92%	0.00%	0.00%	0.00%	0.00%	0.00%
Johnson	West_Central	212	-0.6%	-0.6%	0.71%	0.23%	-0.23%	-0.95%	-0.95%	-0.95%
Lafayette	Southwest	212	-5%	-5%	1.68%	1.23%	0.64%	0.10%	0.10%	0.10%
Lawrence	Northeast	212	0.2%	0.2%	-1.43%	-1.86%	-2.41%	-2.74%	-2.74%	-2.74%
Lee	East	212	0.0%	0.0%	-0.93%	-1.98%	-1.08%	-2.33%	-2.33%	-2.33%
Lincoln	Southeast	212	1.7%	1.7%	0.85%	0.41%	0.00%	-0.83%	-0.83%	-0.83%
Little River	Southwest	212	-5%	-5%	1.84%	1.95%	1.53%	1.42%	1.42%	1.42%
Logan	West	212	4%	4%	3.36%	3.23%	3.23%	3.12%	3.12%	3.12%
Lonoke	Central	212	5.08%	5.08%	1.03%	0.00%	0.00%	-1.02%	-1.02%	-1.02%
Madison	Northwest	212	0.0%	0.0%	0.39%	0.00%	-0.39%	-1.21%	-1.21%	-1.21%
Marion	Northwest	212	0.0%	0.0%	6.59%	5.87%	5.30%	4.59%	4.59%	4.59%
Miller	Southwest	212	-5%	-5%	2.02%	1.83%	1.61%	1.49%	1.49%	1.49%
Mississippi	Northeast	212	0.2%	0.2%	-1.73%	-3.93%	-2.33%	-5.59%	-5.59%	-5.59%
Monroe	Central	212	5.08%	5.08%	0.73%	0.70%	-0.70%	-0.72%	-0.72%	-0.72%
Montgomery	West_Central	212	-0.6%	-0.6%	2.66%	2.98%	2.31%	2.32%	2.32%	2.32%
Nevada	Southwest	212	-5%	-5%	1.99%	1.81%	1.66%	1.03%	1.03%	1.03%
Newton	Northwest	212	0.0%	0.0%	-3.04%	-2.33%	-4.07%	-5.11%	-5.11%	-5.11%
Ouachita	Southwest	212	-5%	-5%	2.06%	1.50%	0.94%	0.34%	0.34%	0.34%
Perry	West_Central	212	-0.6%	-0.6%	0.47%	0.00%	0.00%	-0.95%	-0.95%	-0.95%
Phillips	East	212	0.0%	0.0%	-1.80%	-0.97%	-1.02%	-2.20%	-2.20%	-2.20%
Pike	West_Central	212	-0.6%	-0.6%	3.01%	2.77%	2.43%	2.41%	2.41%	2.41%
Poinsett	Northeast	212	0.2%	0.2%	-2.64%	-3.04%	-3.58%	-4.36%	-4.36%	-4.36%
Polk	West	212	4%	4%	4.97%	4.85%	4.65%	4.46%	4.46%	4.46%
Pope	West_Central	212	-0.6%	-0.6%	1.42%	0.95%	0.43%	-0.18%	-0.18%	-0.18%
Prairie	Central	212	5.08%	5.08%	1.39%	0.00%	0.00%	0.00%	0.00%	0.00%
Pulaski	Central	212	5.08%	5.08%	1.66%	1.13%	0.59%	0.02%	0.02%	0.02%
Randolph	Northeast	212	0.2%	0.2%	-5.59%	0.00%	0.00%	-7.79%	-7.79%	-7.79%
Saline	Central	212	5.08%	5.08%	2.60%	1.96%	1.47%	0.77%	0.77%	0.77%
Scott	West	212	4%	4%	4.56%	3.71%	3.96%	3.65%	3.65%	3.65%
Searcy	Northwest	212	0.0%	0.0%	2.13%	1.92%	0.00%	1.76%	1.76%	1.76%

Employment Growth Rate by County for Mining (NAICS 212)

COUNTY	WIA	NAICS	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
Sebastian	West	212	4%	4%	4.16%	3.95%	3.75%	3.56%	3.56%	3.56%
Sevier	Southwest	212	-5%	-5%	2.69%	2.48%	2.41%	2.15%	2.15%	2.15%
Sharp	North_Central	212	-1.1%	-1.1%	2.71%	2.19%	1.45%	1.02%	1.02%	1.02%
St. Francis	East	212	0.0%	0.0%	-1.98%	-1.08%	-2.33%	-2.64%	-2.64%	-2.64%
Stone	North_Central	212	-1.1%	-1.1%	1.92%	0.00%	0.00%	0.00%	0.00%	0.00%
Union	Southwest	212	-5%	-5%	1.10%	0.58%	0.03%	-0.52%	-0.52%	-0.52%
Van Buren	North_Central	212	-1.1%	-1.1%	4.26%	3.51%	3.16%	2.42%	2.42%	2.42%
Washington	Northwest	212	0.0%	0.0%	7.36%	6.69%	6.06%	5.46%	5.46%	5.46%
White	North_Central	212	-1.1%	-1.1%	3.34%	2.82%	2.25%	1.68%	1.68%	1.68%
Woodruff	North_Central	212	-1.1%	-1.1%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Yell	West_Central	212	-0.6%	-0.6%	7.38%	6.80%	6.27%	5.68%	5.68%	5.68%

Appendix C

Municipal Water Demand by County and Scenario (With and Without Conservation)

Scenarios:	
ANRC	based upon population projections by Arkansas Natural Resource Commission, Water Resources Development Division (ANRC)
AIEA	based upon population projections by University of Arkansas Institute of Economic Advancement (AIEA)
W&P	based upon population projections by Woods & Poole Economic, Inc. (W&P)
Without Conservation	
With Conservation	accounts for passive conservation

Municipal Water Demand without Conservation in MGD: ANRC Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	3.73	3.60	3.47	3.39	3.30	3.25	3.21	3.19	3.17
Ashley	1.94	1.89	1.83	1.81	1.79	1.79	1.78	1.78	1.78
Baxter	4.86	4.89	4.92	4.93	4.93	4.93	4.93	4.93	4.93
Benton	38.06	43.39	48.71	53.09	57.47	60.38	63.28	64.51	65.74
Boone	4.96	5.01	5.06	5.06	5.06	5.06	5.06	5.06	5.06
Bradley	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Calhoun	0.50	0.48	0.47	0.47	0.46	0.46	0.46	0.46	0.46
Carroll	8.21	8.23	8.26	8.26	8.26	8.26	8.26	8.26	8.26
Chicot	1.38	1.27	1.15	1.07	0.98	0.92	0.85	0.82	0.79
Clark	2.27	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
Clay	1.20	1.16	1.13	1.11	1.09	1.08	1.07	1.07	1.07
Cleburne	3.05	3.06	3.08	3.08	3.08	3.08	3.08	3.08	3.08
Cleveland	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Columbia	2.34	2.31	2.29	2.28	2.26	2.26	2.26	2.26	2.26
Conway	2.41	2.44	2.47	2.48	2.50	2.50	2.50	2.50	2.50
Craighead	12.42	13.30	14.19	15.00	15.82	16.50	17.19	17.66	18.14
Crawford	11.44	11.96	12.47	12.67	12.88	12.90	12.93	12.93	12.93
Crittenden	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26	8.26
Cross	1.99	1.96	1.93	1.90	1.88	1.86	1.85	1.84	1.83
Dallas	0.88	0.84	0.80	0.78	0.75	0.74	0.73	0.73	0.73
Desha	2.03	1.88	1.73	1.63	1.52	1.45	1.38	1.35	1.32
Drew	1.45	1.47	1.49	1.51	1.52	1.53	1.53	1.53	1.54
Faulkner	13.63	15.21	16.80	18.34	19.89	21.27	22.65	23.78	24.90
Franklin	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
Fulton	1.54	1.54	1.55	1.55	1.55	1.55	1.55	1.55	1.55
Garland	16.12	16.31	16.49	16.50	16.52	16.52	16.52	16.52	16.52
Grant	2.03	2.06	2.08	2.08	2.08	2.08	2.08	2.08	2.08
Greene	4.47	4.66	4.84	4.94	5.03	5.06	5.08	5.08	5.08
Hempstead	1.62	1.63	1.64	1.64	1.64	1.65	1.65	1.65	1.65
Hot Spring	3.91	3.96	4.01	4.02	4.03	4.03	4.03	4.03	4.03
Howard	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
Independence	3.98	4.07	4.15	4.18	4.20	4.21	4.21	4.21	4.21
Izard	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
Jackson	1.82	1.80	1.79	1.78	1.77	1.77	1.76	1.76	1.76
Jefferson	13.01	12.67	12.34	12.18	12.03	11.98	11.94	11.93	11.92
Johnson	2.34	2.39	2.43	2.43	2.44	2.44	2.44	2.44	2.44
Lafayette	0.61	0.58	0.55	0.53	0.51	0.50	0.49	0.49	0.48
Lawrence	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
Lee	1.09	1.03	0.96	0.92	0.89	0.88	0.87	0.87	0.86
Lincoln	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18
Little River	1.14	1.13	1.11	1.09	1.08	1.07	1.06	1.05	1.05
Logan	3.53	3.57	3.61	3.62	3.64	3.64	3.64	3.64	3.64
Lonoke	6.37	7.04	7.72	8.31	8.90	9.34	9.79	10.03	10.27
Madison	2.42	2.46	2.49	2.49	2.49	2.49	2.49	2.49	2.49
Marion	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Miller	6.53	6.72	6.90	7.03	7.16	7.21	7.26	7.27	7.28

Municipal Water Demand without Conservation in MGD: ANRC Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Mississippi	8.39	7.90	7.41	6.93	6.45	5.98	5.52	5.07	4.62
Monroe	0.59	0.53	0.47	0.44	0.40	0.38	0.36	0.35	0.34
Montgomery	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Nevada	0.66	0.64	0.62	0.61	0.60	0.60	0.59	0.59	0.59
Newton	0.68	0.69	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Ouachita	3.07	2.93	2.80	2.70	2.60	2.54	2.47	2.44	2.40
Perry	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Phillips	2.56	2.35	2.14	2.01	1.87	1.80	1.73	1.70	1.67
Pike	0.78	0.80	0.81	0.83	0.84	0.85	0.86	0.86	0.87
Poinsett	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66
Polk	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
Pope	7.94	8.28	8.61	8.77	8.93	8.96	9.00	9.00	9.00
Prairie	0.91	0.89	0.87	0.85	0.84	0.83	0.82	0.81	0.80
Pulaski	50.25	51.34	52.43	53.08	53.72	53.94	54.16	54.18	54.20
Randolph	1.43	1.46	1.49	1.51	1.54	1.56	1.59	1.61	1.63
Saline	11.43	12.58	13.72	14.66	15.60	16.22	16.85	17.10	17.36
Scott	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Searcy	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.68
Sebastian	20.86	21.27	21.68	21.75	21.83	21.84	21.84	21.84	21.84
Sevier	1.70	1.73	1.75	1.75	1.76	1.76	1.76	1.76	1.76
Sharp	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
St. Francis	4.72	4.72	4.72	4.72	4.72	4.72	4.72	4.72	4.72
Stone	1.04	1.05	1.05	1.06	1.06	1.06	1.06	1.06	1.06
Union	5.15	5.00	4.84	4.76	4.68	4.65	4.62	4.62	4.61
Van Buren	2.21	2.22	2.24	2.24	2.24	2.24	2.24	2.24	2.24
Washington	27.44	30.47	33.50	36.46	39.42	42.23	45.04	47.56	50.08
White	8.06	8.38	8.70	8.83	8.95	8.95	8.95	8.95	8.95
Woodruff	0.98	0.90	0.83	0.78	0.72	0.70	0.67	0.66	0.65
Yell	2.77	2.77	2.78	2.78	2.78	2.78	2.78	2.78	2.78
TOTAL	**384.5**	**398.7**	**413.0**	**424.3**	**435.5**	**443.8**	**452.1**	**457.3**	**462.5**

Municipal Water Demand without Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	3.73	3.80	3.73	3.67	3.60	3.54	3.47	3.41	3.35
Ashley	1.94	2.01	1.97	1.92	1.88	1.84	1.79	1.75	1.71
Baxter	4.86	5.54	5.94	6.34	6.74	7.15	7.59	8.05	8.55
Benton	38.06	44.96	51.35	57.73	64.12	70.90	78.41	86.70	95.88
Boone	4.96	5.40	5.70	6.00	6.31	6.62	6.95	7.29	7.65
Bradley	1.10	1.11	1.08	1.05	1.02	0.99	0.96	0.94	0.91
Calhoun	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42
Carroll	8.21	8.35	8.53	8.71	8.90	9.08	9.27	9.47	9.66
Chicot	1.38	1.32	1.21	1.10	0.99	0.89	0.79	0.71	0.64
Clark	2.27	2.29	2.29	2.29	2.29	2.29	2.29	2.29	2.29
Clay	1.20	1.13	1.07	1.02	0.96	0.91	0.85	0.81	0.76
Cleburne	3.05	3.31	3.48	3.65	3.82	3.99	4.17	4.36	4.56
Cleveland	0.51	0.56	0.59	0.61	0.63	0.65	0.67	0.70	0.72
Columbia	2.34	2.28	2.24	2.20	2.16	2.13	2.09	2.05	2.02
Conway	2.41	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
Craighead	12.42	12.77	13.55	14.33	15.11	15.91	16.76	17.65	18.59
Crawford	11.44	12.10	12.86	13.61	14.37	15.15	15.97	16.84	17.75
Crittenden	8.26	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35
Cross	1.99	2.07	2.04	2.01	1.99	1.96	1.93	1.91	1.88
Dallas	0.88	0.84	0.80	0.75	0.71	0.66	0.62	0.58	0.55
Desha	2.03	2.13	2.06	1.99	1.92	1.85	1.79	1.72	1.66
Drew	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Faulkner	13.63	14.76	16.26	17.77	19.28	20.85	22.56	24.41	26.41
Franklin	2.47	2.58	2.64	2.70	2.75	2.81	2.87	2.93	2.99
Fulton	1.54	1.67	1.75	1.82	1.90	1.98	2.06	2.15	2.24
Garland	16.12	17.29	18.11	18.94	19.77	20.61	21.50	22.42	23.38
Grant	2.03	2.24	2.37	2.49	2.62	2.75	2.89	3.04	3.19
Greene	4.47	4.69	4.94	5.19	5.44	5.70	5.97	6.25	6.55
Hempstead	1.62	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
Hot Spring	3.91	3.67	3.68	3.69	3.71	3.72	3.73	3.75	3.76
Howard	2.04	2.20	2.23	2.26	2.29	2.31	2.34	2.37	2.40
Independence	3.98	3.98	4.07	4.16	4.26	4.35	4.45	4.55	4.65
Izard	1.43	1.44	1.46	1.48	1.51	1.53	1.56	1.58	1.60
Jackson	1.82	1.57	1.49	1.41	1.33	1.26	1.19	1.12	1.05
Jefferson	13.01	13.33	13.08	12.82	12.57	12.32	12.07	11.83	11.59
Johnson	2.34	2.43	2.55	2.67	2.78	2.90	3.03	3.16	3.30
Lafayette	0.61	0.58	0.54	0.50	0.47	0.43	0.40	0.37	0.35
Lawrence	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86
Lee	1.09	0.98	0.87	0.76	0.64	0.54	0.46	0.38	0.32
Lincoln	2.18	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21
Little River	1.14	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Logan	3.53	3.83	3.93	4.03	4.12	4.22	4.32	4.43	4.53
Lonoke	6.37	7.32	8.16	9.01	9.85	10.74	11.71	12.76	13.91
Madison	2.42	2.52	2.64	2.76	2.88	3.00	3.13	3.26	3.40
Marion	0.83	0.86	0.88	0.91	0.93	0.95	0.98	1.00	1.03
Miller	6.53	7.01	7.29	7.58	7.86	8.15	8.46	8.77	9.09

Municipal Water Demand without Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Mississippi	8.39	7.92	7.53	7.15	6.77	6.40	6.05	5.72	5.41
Monroe	0.59	0.54	0.48	0.41	0.35	0.29	0.24	0.20	0.17
Montgomery	0.99	1.02	1.05	1.07	1.09	1.12	1.14	1.17	1.20
Nevada	0.66	0.67	0.66	0.65	0.64	0.62	0.61	0.60	0.59
Newton	0.68	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Ouachita	3.07	2.84	2.68	2.51	2.35	2.19	2.04	1.90	1.77
Perry	0.69	0.71	0.73	0.74	0.75	0.77	0.78	0.79	0.81
Phillips	2.56	2.37	2.15	1.93	1.70	1.50	1.32	1.16	1.02
Pike	0.78	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Poinsett	2.66	2.69	2.67	2.64	2.62	2.60	2.57	2.55	2.53
Polk	1.53	1.44	1.42	1.39	1.37	1.35	1.33	1.31	1.29
Pope	7.94	7.87	8.18	8.49	8.80	9.11	9.44	9.78	10.13
Prairie	0.91	0.80	0.72	0.65	0.58	0.51	0.45	0.40	0.35
Pulaski	50.25	49.41	50.03	50.66	51.28	51.91	52.54	53.18	53.83
Randolph	1.43	1.52	1.55	1.58	1.61	1.63	1.66	1.69	1.72
Saline	11.43	11.33	12.16	12.98	13.80	14.65	15.56	16.52	17.54
Scott	0.91	0.93	0.94	0.96	0.98	1.00	1.02	1.03	1.05
Searcy	0.67	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Sebastian	20.86	20.82	21.40	21.98	22.56	23.14	23.75	24.37	25.00
Sevier	1.70	1.82	1.92	2.01	2.11	2.21	2.31	2.42	2.53
Sharp	1.48	1.55	1.58	1.61	1.63	1.66	1.69	1.71	1.74
St. Francis	4.72	4.25	4.03	3.82	3.61	3.40	3.21	3.02	2.85
Stone	1.04	1.05	1.08	1.11	1.14	1.18	1.21	1.24	1.28
Union	5.15	5.30	5.20	5.10	5.00	4.90	4.80	4.71	4.62
Van Buren	2.21	2.29	2.37	2.45	2.53	2.62	2.70	2.79	2.88
Washington	27.44	29.94	32.86	35.78	38.69	41.74	45.04	48.59	52.43
White	8.06	8.25	8.65	9.04	9.44	9.85	10.28	10.72	11.19
Woodruff	0.98	0.92	0.84	0.75	0.67	0.60	0.53	0.47	0.42
Yell	2.77	2.65	2.64	2.63	2.62	2.62	2.61	2.60	2.60
TOTAL	**384.51**	**399.46**	**416.56**	**433.66**	**450.77**	**468.81**	**488.52**	**509.99**	**533.36**

Municipal Water Demand without Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	3.73	3.68	3.64	3.60	3.57	3.53	3.49	3.45	3.41
Ashley	1.94	1.93	1.92	1.91	1.90	1.88	1.87	1.86	1.85
Baxter	4.86	5.32	5.78	6.25	6.72	7.18	7.64	8.12	8.64
Benton	38.06	45.95	53.57	61.17	68.70	76.17	83.63	91.51	100.13
Boone	4.96	5.44	5.94	6.44	6.94	7.43	7.93	8.44	8.99
Bradley	1.10	1.09	1.09	1.08	1.08	1.07	1.07	1.06	1.05
Calhoun	0.50	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.51
Carroll	8.21	8.40	8.57	8.75	8.93	9.11	9.30	9.48	9.67
Chicot	1.38	1.38	1.38	1.38	1.38	1.37	1.37	1.37	1.37
Clark	2.27	2.31	2.35	2.39	2.42	2.46	2.50	2.54	2.58
Clay	1.20	1.21	1.21	1.22	1.22	1.23	1.24	1.24	1.25
Cleburne	3.05	3.34	3.65	3.95	4.26	4.56	4.86	5.18	5.52
Cleveland	0.51	0.53	0.54	0.56	0.58	0.60	0.62	0.63	0.65
Columbia	2.34	2.33	2.33	2.32	2.32	2.32	2.31	2.31	2.30
Conway	2.41	2.48	2.56	2.64	2.72	2.79	2.87	2.95	3.03
Craighead	12.42	12.85	13.27	13.71	14.15	14.59	15.02	15.47	15.93
Crawford	11.44	11.90	12.36	12.84	13.31	13.77	14.24	14.71	15.20
Crittenden	8.26	8.24	8.25	8.26	8.27	8.28	8.30	8.31	8.32
Cross	1.99	1.96	1.94	1.92	1.89	1.87	1.85	1.83	1.81
Dallas	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80
Desha	2.03	1.98	1.94	1.91	1.87	1.83	1.78	1.74	1.70
Drew	1.45	1.48	1.50	1.53	1.56	1.58	1.61	1.63	1.66
Faulkner	13.63	16.87	20.07	23.29	26.52	29.75	32.98	36.41	40.20
Franklin	2.47	2.54	2.63	2.71	2.80	2.88	2.97	3.05	3.14
Fulton	1.54	1.57	1.61	1.66	1.70	1.74	1.78	1.82	1.86
Garland	16.12	17.40	18.71	20.03	21.34	22.65	23.96	25.31	26.74
Grant	2.03	2.12	2.20	2.29	2.38	2.47	2.55	2.64	2.73
Greene	4.47	4.57	4.67	4.76	4.86	4.96	5.06	5.16	5.26
Hempstead	1.62	1.64	1.66	1.69	1.71	1.74	1.76	1.78	1.81
Hot Spring	3.91	3.99	4.08	4.17	4.26	4.35	4.44	4.53	4.62
Howard	2.04	2.05	2.05	2.05	2.06	2.06	2.07	2.07	2.08
Independence	3.98	4.24	4.49	4.75	5.01	5.26	5.52	5.78	6.06
Izard	1.43	1.46	1.50	1.54	1.58	1.62	1.66	1.70	1.75
Jackson	1.82	1.80	1.79	1.78	1.77	1.76	1.75	1.73	1.72
Jefferson	13.01	12.96	12.95	12.94	12.93	12.91	12.89	12.87	12.85
Johnson	2.34	2.39	2.44	2.50	2.55	2.60	2.65	2.70	2.75
Lafayette	0.61	0.60	0.59	0.58	0.57	0.56	0.56	0.55	0.54
Lawrence	1.86	1.88	1.90	1.92	1.94	1.96	1.98	2.00	2.02
Lee	1.09	1.05	1.01	0.97	0.93	0.89	0.85	0.81	0.77
Lincoln	2.18	2.18	2.20	2.21	2.23	2.24	2.26	2.27	2.29
Little River	1.14	1.16	1.18	1.20	1.23	1.25	1.27	1.29	1.32
Logan	3.53	3.62	3.72	3.83	3.93	4.04	4.14	4.24	4.35
Lonoke	6.37	6.97	7.57	8.18	8.78	9.38	9.99	10.61	11.27
Madison	2.42	2.43	2.44	2.46	2.48	2.51	2.53	2.56	2.58
Marion	0.83	0.88	0.93	0.99	1.04	1.10	1.15	1.21	1.27
Miller	6.53	6.73	6.94	7.15	7.36	7.57	7.77	7.98	8.20

Municipal Water Demand without Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Mississippi	8.39	8.26	8.16	8.07	7.97	7.87	7.77	7.66	7.56
Monroe	0.59	0.57	0.57	0.56	0.55	0.54	0.53	0.52	0.51
Montgomery	0.99	1.04	1.10	1.15	1.20	1.26	1.31	1.37	1.42
Nevada	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
Newton	0.68	0.71	0.74	0.77	0.80	0.82	0.85	0.88	0.91
Ouachita	3.07	3.07	3.07	3.08	3.09	3.09	3.10	3.10	3.11
Perry	0.69	0.75	0.81	0.88	0.94	1.01	1.07	1.14	1.21
Phillips	2.56	2.44	2.34	2.24	2.15	2.06	1.96	1.87	1.78
Pike	0.78	0.78	0.79	0.79	0.80	0.80	0.81	0.81	0.82
Poinsett	2.66	2.65	2.65	2.65	2.66	2.66	2.66	2.65	2.65
Polk	1.53	1.59	1.65	1.71	1.78	1.84	1.90	1.96	2.02
Pope	7.94	8.19	8.44	8.70	8.95	9.20	9.45	9.71	9.97
Prairie	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84
Pulaski	50.25	52.21	54.15	56.14	58.11	60.05	61.99	63.97	66.01
Randolph	1.43	1.45	1.48	1.51	1.54	1.56	1.59	1.62	1.65
Saline	11.43	12.33	13.20	14.09	14.97	15.85	16.73	17.64	18.60
Scott	0.91	0.93	0.95	0.96	0.98	1.00	1.02	1.03	1.05
Searcy	0.67	0.67	0.68	0.68	0.69	0.69	0.70	0.70	0.71
Sebastian	20.86	22.22	23.59	24.98	26.37	27.75	29.13	30.55	32.04
Sevier	1.70	1.73	1.74	1.76	1.78	1.80	1.82	1.84	1.85
Sharp	1.48	1.49	1.50	1.52	1.54	1.55	1.57	1.58	1.60
St. Francis	4.72	4.64	4.59	4.54	4.49	4.44	4.40	4.35	4.30
Stone	1.04	1.05	1.08	1.10	1.12	1.14	1.16	1.18	1.20
Union	5.15	5.22	5.31	5.41	5.50	5.59	5.68	5.76	5.86
Van Buren	2.21	2.26	2.32	2.38	2.44	2.49	2.55	2.61	2.67
Washington	27.44	28.79	30.10	31.45	32.81	34.18	35.55	36.96	38.42
White	8.06	8.92	9.78	10.64	11.51	12.37	13.23	14.13	15.09
Woodruff	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.86	0.84
Yell	2.77	2.83	2.89	2.95	3.01	3.08	3.14	3.20	3.26
TOTAL	**384.51**	**407.54**	**430.62**	**454.02**	**477.26**	**500.32**	**523.39**	**547.42**	**573.15**

Municipal Water Demand with Conservation in MGD: ANRC Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	3.73	3.54	3.38	3.26	3.15	3.09	3.03	3.01	2.98
Ashley	1.94	1.83	1.73	1.68	1.63	1.61	1.59	1.57	1.56
Baxter	4.86	4.81	4.77	4.72	4.68	4.65	4.62	4.61	4.59
Benton	38.06	43.05	48.03	52.10	56.19	58.86	61.56	62.64	63.75
Boone	4.96	4.93	4.92	4.88	4.84	4.82	4.80	4.78	4.77
Bradley	1.10	1.07	1.04	1.02	1.01	1.00	0.99	0.98	0.98
Calhoun	0.50	0.47	0.45	0.44	0.42	0.42	0.41	0.41	0.41
Carroll	8.21	8.18	8.16	8.13	8.10	8.08	8.07	8.06	8.05
Chicot	1.38	1.24	1.11	1.02	0.92	0.86	0.80	0.76	0.73
Clark	2.27	2.23	2.19	2.16	2.14	2.13	2.11	2.10	2.09
Clay	1.20	1.11	1.04	0.99	0.95	0.93	0.91	0.90	0.89
Cleburne	3.05	3.00	2.96	2.92	2.88	2.86	2.84	2.82	2.81
Cleveland	0.51	0.49	0.47	0.46	0.45	0.44	0.43	0.43	0.43
Columbia	2.34	2.26	2.19	2.14	2.11	2.08	2.07	2.05	2.04
Conway	2.41	2.39	2.38	2.37	2.35	2.34	2.33	2.31	2.31
Craighead	12.42	13.12	13.84	14.51	15.19	15.77	16.36	16.76	17.17
Crawford	11.44	11.83	12.25	12.37	12.50	12.48	12.47	12.45	12.43
Crittenden	8.26	8.16	8.08	8.02	7.98	7.94	7.91	7.89	7.87
Cross	1.99	1.92	1.85	1.80	1.76	1.73	1.71	1.69	1.67
Dallas	0.88	0.81	0.75	0.72	0.69	0.67	0.65	0.65	0.64
Desha	2.03	1.85	1.68	1.55	1.44	1.36	1.29	1.25	1.22
Drew	1.45	1.43	1.42	1.40	1.40	1.39	1.38	1.38	1.37
Faulkner	13.63	15.05	16.48	17.88	19.28	20.54	21.81	22.84	23.87
Franklin	2.47	2.42	2.39	2.37	2.35	2.33	2.32	2.31	2.30
Fulton	1.54	1.51	1.48	1.46	1.44	1.43	1.42	1.41	1.40
Garland	16.12	16.05	16.04	15.90	15.79	15.70	15.63	15.58	15.53
Grant	2.03	2.02	2.02	2.00	1.99	1.98	1.97	1.96	1.95
Greene	4.47	4.57	4.69	4.73	4.78	4.77	4.76	4.74	4.73
Hempstead	1.62	1.59	1.56	1.54	1.52	1.51	1.50	1.49	1.48
Hot Spring	3.91	3.89	3.89	3.85	3.82	3.79	3.77	3.76	3.75
Howard	2.04	2.01	1.98	1.96	1.95	1.93	1.92	1.92	1.91
Independence	3.98	3.99	4.01	3.99	3.98	3.96	3.94	3.93	3.91
Izard	1.43	1.39	1.37	1.35	1.33	1.32	1.31	1.30	1.29
Jackson	1.82	1.76	1.71	1.68	1.65	1.63	1.62	1.61	1.60
Jefferson	13.01	12.48	12.00	11.74	11.51	11.40	11.30	11.25	11.22
Johnson	2.34	2.33	2.33	2.30	2.27	2.25	2.24	2.22	2.21
Lafayette	0.61	0.56	0.52	0.49	0.47	0.45	0.44	0.43	0.43
Lawrence	1.86	1.81	1.77	1.75	1.72	1.71	1.69	1.68	1.67
Lee	1.09	1.00	0.91	0.87	0.83	0.81	0.79	0.79	0.78
Lincoln	2.18	2.15	2.14	2.12	2.11	2.10	2.09	2.09	2.09
Little River	1.14	1.09	1.04	1.01	0.98	0.96	0.94	0.93	0.91
Logan	3.53	3.52	3.51	3.49	3.48	3.46	3.44	3.43	3.42
Lonoke	6.37	6.94	7.52	8.02	8.53	8.90	9.28	9.48	9.68
Madison	2.42	2.43	2.44	2.42	2.41	2.40	2.39	2.39	2.38
Marion	0.83	0.80	0.78	0.77	0.75	0.75	0.74	0.73	0.73
Miller	6.53	6.64	6.76	6.83	6.91	6.94	6.96	6.96	6.95
Mississippi	8.39	7.79	7.22	6.69	6.18	5.71	5.24	4.80	4.36
Monroe	0.59	0.52	0.45	0.41	0.37	0.34	0.32	0.31	0.30
Montgomery	0.99	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.89
Nevada	0.66	0.62	0.58	0.56	0.54	0.54	0.53	0.52	0.52

Municipal Water Demand with Conservation in MGD: ANRC Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Newton	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.62	0.62
Ouachita	3.07	2.86	2.67	2.54	2.41	2.33	2.25	2.20	2.16
Perry	0.69	0.67	0.66	0.65	0.65	0.64	0.64	0.63	0.63
Phillips	2.56	2.29	2.04	1.88	1.73	1.65	1.57	1.53	1.50
Pike	0.78	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Poinsett	2.66	2.60	2.56	2.52	2.50	2.48	2.46	2.45	2.44
Polk	1.53	1.50	1.47	1.46	1.44	1.43	1.42	1.41	1.41
Pope	7.94	8.18	8.42	8.52	8.62	8.62	8.62	8.60	8.58
Prairie	0.91	0.87	0.83	0.80	0.78	0.76	0.75	0.73	0.72
Pulaski	50.25	50.37	50.66	50.68	50.82	50.66	50.58	50.37	50.22
Randolph	1.43	1.42	1.42	1.42	1.42	1.43	1.44	1.45	1.46
Saline	11.43	12.32	13.23	13.95	14.70	15.17	15.65	15.82	16.00
Scott	0.91	0.90	0.89	0.88	0.88	0.87	0.87	0.87	0.87
Searcy	0.67	0.65	0.64	0.63	0.62	0.61	0.61	0.60	0.60
Sebastian	20.86	20.84	20.89	20.70	20.57	20.41	20.29	20.19	20.12
Sevier	1.70	1.69	1.69	1.67	1.66	1.65	1.64	1.63	1.62
Sharp	1.48	1.45	1.43	1.41	1.39	1.38	1.38	1.37	1.36
St. Francis	4.72	4.64	4.57	4.52	4.48	4.45	4.43	4.41	4.39
Stone	1.04	1.02	1.00	0.99	0.97	0.96	0.95	0.95	0.94
Union	5.15	4.90	4.67	4.54	4.42	4.36	4.30	4.28	4.26
Van Buren	2.21	2.18	2.15	2.13	2.10	2.09	2.07	2.06	2.05
Washington	27.44	30.10	32.78	35.41	38.06	40.59	43.14	45.43	47.74
White	8.06	8.23	8.43	8.46	8.51	8.45	8.41	8.38	8.35
Woodruff	0.98	0.88	0.79	0.73	0.68	0.64	0.61	0.60	0.59
Yell	2.77	2.72	2.69	2.66	2.64	2.62	2.61	2.60	2.59
TOTAL	**384.51**	**392.29**	**401.25**	**408.29**	**416.12**	**421.64**	**427.66**	**431.18**	**435.03**

Municipal Water Demand with Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	3.73	3.74	3.63	3.53	3.44	3.36	3.28	3.21	3.15
Ashley	1.94	1.95	1.86	1.78	1.71	1.65	1.60	1.55	1.50
Baxter	4.86	5.44	5.75	6.07	6.40	6.75	7.12	7.53	7.97
Benton	38.06	44.61	50.63	56.66	62.69	69.12	76.27	84.19	92.98
Boone	4.96	5.32	5.55	5.79	6.03	6.30	6.58	6.88	7.20
Bradley	1.10	1.08	1.03	0.98	0.94	0.90	0.87	0.84	0.81
Calhoun	0.50	0.48	0.45	0.44	0.42	0.41	0.39	0.38	0.37
Carroll	8.21	8.29	8.43	8.58	8.73	8.89	9.06	9.23	9.42
Chicot	1.38	1.29	1.17	1.05	0.93	0.83	0.74	0.66	0.59
Clark	2.27	2.24	2.20	2.17	2.15	2.13	2.12	2.11	2.10
Clay	1.20	1.08	0.99	0.91	0.84	0.78	0.73	0.68	0.63
Cleburne	3.05	3.23	3.34	3.45	3.57	3.70	3.84	4.00	4.16
Cleveland	0.51	0.54	0.54	0.55	0.55	0.56	0.57	0.59	0.60
Columbia	2.34	2.22	2.14	2.07	2.01	1.96	1.91	1.87	1.83
Conway	2.41	2.28	2.25	2.22	2.20	2.18	2.17	2.16	2.15
Craighead	12.42	12.59	13.22	13.86	14.51	15.21	15.95	16.75	17.60
Crawford	11.44	11.98	12.63	13.28	13.95	14.65	15.40	16.20	17.05
Crittenden	8.26	8.25	8.17	8.11	8.07	8.03	8.00	7.98	7.96
Cross	1.99	2.02	1.96	1.91	1.86	1.82	1.78	1.75	1.72
Dallas	0.88	0.81	0.75	0.69	0.64	0.60	0.55	0.52	0.48
Desha	2.03	2.09	1.99	1.90	1.82	1.74	1.67	1.60	1.54
Drew	1.45	1.41	1.38	1.36	1.34	1.32	1.31	1.30	1.30
Faulkner	13.63	14.60	15.96	17.32	18.69	20.14	21.72	23.44	25.32
Franklin	2.47	2.54	2.56	2.59	2.62	2.66	2.70	2.74	2.79
Fulton	1.54	1.63	1.67	1.72	1.77	1.83	1.89	1.96	2.03
Garland	16.12	17.02	17.62	18.25	18.90	19.60	20.35	21.15	21.99
Grant	2.03	2.20	2.30	2.40	2.50	2.61	2.73	2.86	2.99
Greene	4.47	4.61	4.78	4.97	5.16	5.37	5.59	5.83	6.09
Hempstead	1.62	1.64	1.60	1.58	1.56	1.54	1.53	1.52	1.51
Hot Spring	3.91	3.60	3.56	3.53	3.52	3.51	3.50	3.50	3.50
Howard	2.04	2.17	2.16	2.17	2.18	2.19	2.20	2.22	2.24
Independence	3.98	3.90	3.94	3.98	4.04	4.10	4.17	4.24	4.32
Izard	1.43	1.40	1.40	1.40	1.40	1.41	1.42	1.44	1.45
Jackson	1.82	1.54	1.43	1.33	1.24	1.16	1.09	1.02	0.96
Jefferson	13.01	13.13	12.72	12.35	12.02	11.71	11.42	11.16	10.90
Johnson	2.34	2.37	2.44	2.51	2.59	2.68	2.78	2.88	2.99
Lafayette	0.61	0.56	0.51	0.47	0.43	0.39	0.36	0.33	0.30
Lawrence	1.86	1.81	1.77	1.75	1.72	1.71	1.69	1.68	1.67
Lee	1.09	0.96	0.83	0.71	0.60	0.50	0.42	0.35	0.29
Lincoln	2.18	2.19	2.17	2.15	2.14	2.13	2.12	2.12	2.12
Little River	1.14	1.11	1.08	1.06	1.04	1.03	1.02	1.01	1.01
Logan	3.53	3.77	3.82	3.88	3.94	4.01	4.09	4.18	4.26
Lonoke	6.37	7.21	7.95	8.69	9.44	10.23	11.10	12.06	13.12
Madison	2.42	2.49	2.59	2.68	2.78	2.89	3.00	3.12	3.24
Marion	0.83	0.83	0.84	0.84	0.85	0.86	0.87	0.89	0.90
Miller	6.53	6.92	7.14	7.36	7.60	7.84	8.11	8.38	8.68
Mississippi	8.39	7.80	7.34	6.90	6.49	6.10	5.75	5.41	5.11
Monroe	0.59	0.53	0.45	0.39	0.32	0.27	0.22	0.18	0.15
Montgomery	0.99	0.99	1.00	1.00	1.01	1.02	1.04	1.05	1.07
Nevada	0.66	0.65	0.62	0.60	0.58	0.56	0.54	0.53	0.51

Municipal Water Demand with Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Newton	0.68	0.67	0.65	0.64	0.63	0.62	0.62	0.61	0.61
Ouachita	3.07	2.77	2.55	2.36	2.17	2.00	1.85	1.72	1.59
Perry	0.69	0.70	0.70	0.70	0.71	0.72	0.73	0.73	0.74
Phillips	2.56	2.31	2.05	1.81	1.58	1.37	1.20	1.04	0.91
Pike	0.78	0.73	0.72	0.70	0.69	0.69	0.68	0.68	0.67
Poinsett	2.66	2.63	2.56	2.51	2.46	2.42	2.38	2.35	2.32
Polk	1.53	1.41	1.36	1.32	1.29	1.26	1.23	1.20	1.18
Pope	7.94	7.78	8.01	8.25	8.50	8.76	9.04	9.34	9.65
Prairie	0.91	0.78	0.69	0.61	0.54	0.47	0.41	0.36	0.32
Pulaski	50.25	48.47	48.34	48.37	48.51	48.75	49.07	49.45	49.88
Randolph	1.43	1.48	1.48	1.48	1.49	1.50	1.51	1.53	1.55
Saline	11.43	11.10	11.72	12.35	13.00	13.70	14.46	15.28	16.16
Scott	0.91	0.92	0.92	0.93	0.95	0.96	0.97	0.99	1.00
Searcy	0.67	0.64	0.62	0.61	0.60	0.60	0.59	0.59	0.58
Sebastian	20.86	20.39	20.62	20.91	21.25	21.63	22.06	22.53	23.03
Sevier	1.70	1.79	1.85	1.92	1.99	2.07	2.16	2.25	2.34
Sharp	1.48	1.52	1.53	1.53	1.54	1.55	1.57	1.59	1.61
St. Francis	4.72	4.17	3.90	3.66	3.42	3.20	3.01	2.82	2.65
Stone	1.04	1.02	1.03	1.04	1.05	1.07	1.09	1.12	1.14
Union	5.15	5.20	5.02	4.86	4.72	4.59	4.47	4.36	4.26
Van Buren	2.21	2.24	2.28	2.32	2.38	2.43	2.50	2.57	2.64
Washington	27.44	29.58	32.15	34.74	37.36	40.12	43.14	46.42	49.97
White	8.06	8.10	8.38	8.67	8.97	9.30	9.65	10.03	10.43
Woodruff	0.98	0.90	0.80	0.71	0.63	0.55	0.49	0.43	0.38
Yell	2.77	2.60	2.56	2.52	2.50	2.47	2.45	2.44	2.42
TOTAL	**384.51**	**393.02**	**404.80**	**417.47**	**430.87**	**445.75**	**462.67**	**481.64**	**502.71**

Municipal Water Demand with Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	3.73	3.62	3.54	3.47	3.41	3.35	3.30	3.25	3.21
Ashley	1.94	1.87	1.81	1.76	1.72	1.69	1.66	1.64	1.62
Baxter	4.86	5.22	5.60	5.99	6.38	6.78	7.18	7.60	8.05
Benton	38.06	45.59	52.82	60.03	67.17	74.25	81.35	88.86	97.10
Boone	4.96	5.36	5.78	6.21	6.64	7.07	7.51	7.97	8.46
Bradley	1.10	1.06	1.03	1.01	0.99	0.97	0.96	0.95	0.94
Calhoun	0.50	0.48	0.47	0.46	0.46	0.45	0.45	0.45	0.45
Carroll	8.21	8.34	8.47	8.61	8.76	8.92	9.08	9.25	9.42
Chicot	1.38	1.35	1.33	1.31	1.30	1.29	1.28	1.27	1.26
Clark	2.27	2.26	2.26	2.27	2.28	2.30	2.32	2.34	2.37
Clay	1.20	1.15	1.12	1.09	1.07	1.06	1.05	1.04	1.04
Cleburne	3.05	3.27	3.50	3.74	3.98	4.23	4.48	4.75	5.03
Cleveland	0.51	0.50	0.50	0.51	0.51	0.52	0.53	0.54	0.55
Columbia	2.34	2.27	2.23	2.19	2.16	2.14	2.11	2.10	2.08
Conway	2.41	2.43	2.47	2.51	2.56	2.62	2.67	2.73	2.80
Craighead	12.42	12.67	12.95	13.26	13.59	13.94	14.30	14.68	15.07
Crawford	11.44	11.78	12.14	12.53	12.92	13.32	13.73	14.16	14.60
Crittenden	8.26	8.14	8.07	8.02	7.99	7.97	7.95	7.94	7.94
Cross	1.99	1.92	1.86	1.81	1.78	1.74	1.71	1.68	1.66
Dallas	0.88	0.84	0.81	0.78	0.76	0.74	0.73	0.71	0.70
Desha	2.03	1.94	1.88	1.82	1.77	1.71	1.67	1.62	1.58
Drew	1.45	1.44	1.43	1.43	1.43	1.44	1.45	1.46	1.48
Faulkner	13.63	16.69	19.69	22.70	25.71	28.73	31.75	34.97	38.54
Franklin	2.47	2.50	2.55	2.60	2.66	2.72	2.79	2.86	2.93
Fulton	1.54	1.54	1.55	1.56	1.58	1.60	1.63	1.66	1.69
Garland	16.12	17.14	18.20	19.29	20.41	21.54	22.68	23.88	25.16
Grant	2.03	2.08	2.14	2.21	2.27	2.34	2.41	2.49	2.56
Greene	4.47	4.49	4.52	4.56	4.61	4.67	4.74	4.81	4.89
Hempstead	1.62	1.60	1.59	1.58	1.59	1.59	1.60	1.61	1.62
Hot Spring	3.91	3.92	3.95	3.99	4.04	4.10	4.16	4.23	4.30
Howard	2.04	2.01	1.99	1.97	1.96	1.95	1.95	1.94	1.94
Independence	3.98	4.16	4.35	4.54	4.75	4.95	5.17	5.39	5.63
Izard	1.43	1.43	1.44	1.45	1.47	1.50	1.52	1.55	1.58
Jackson	1.82	1.76	1.72	1.68	1.65	1.62	1.60	1.58	1.56
Jefferson	13.01	12.76	12.60	12.47	12.37	12.28	12.20	12.14	12.09
Johnson	2.34	2.33	2.34	2.35	2.38	2.40	2.43	2.46	2.50
Lafayette	0.61	0.58	0.56	0.54	0.52	0.51	0.49	0.48	0.47
Lawrence	1.86	1.83	1.81	1.80	1.80	1.80	1.80	1.81	1.82
Lee	1.09	1.02	0.96	0.91	0.86	0.82	0.78	0.74	0.70
Lincoln	2.18	2.16	2.15	2.15	2.16	2.16	2.17	2.18	2.18
Little River	1.14	1.12	1.11	1.11	1.11	1.12	1.13	1.14	1.15
Logan	3.53	3.57	3.62	3.69	3.76	3.84	3.92	4.00	4.09
Lonoke	6.37	6.87	7.37	7.90	8.41	8.94	9.47	10.03	10.63
Madison	2.42	2.40	2.39	2.39	2.40	2.41	2.43	2.45	2.47
Marion	0.83	0.85	0.88	0.92	0.95	0.99	1.03	1.07	1.12
Miller	6.53	6.65	6.79	6.95	7.11	7.28	7.45	7.63	7.82
Mississippi	8.39	8.14	7.95	7.79	7.64	7.50	7.37	7.25	7.14
Monroe	0.59	0.56	0.54	0.52	0.50	0.49	0.48	0.47	0.45
Montgomery	0.99	1.01	1.04	1.08	1.11	1.15	1.19	1.23	1.28
Nevada	0.66	0.63	0.61	0.60	0.59	0.58	0.58	0.57	0.57

Municipal Water Demand with Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Newton	0.68	0.69	0.69	0.71	0.72	0.74	0.76	0.78	0.80
Ouachita	3.07	2.99	2.93	2.89	2.86	2.83	2.82	2.80	2.79
Perry	0.69	0.73	0.78	0.83	0.89	0.94	0.99	1.05	1.11
Phillips	2.56	2.38	2.23	2.10	1.99	1.88	1.78	1.69	1.60
Pike	0.78	0.76	0.75	0.74	0.73	0.73	0.73	0.73	0.73
Poinsett	2.66	2.59	2.55	2.52	2.50	2.47	2.46	2.45	2.44
Polk	1.53	1.56	1.59	1.63	1.67	1.71	1.76	1.81	1.86
Pope	7.94	8.09	8.26	8.45	8.64	8.84	9.05	9.27	9.50
Prairie	0.91	0.87	0.85	0.83	0.81	0.79	0.78	0.77	0.76
Pulaski	50.25	51.21	52.33	53.61	54.97	56.40	57.89	59.48	61.17
Randolph	1.43	1.41	1.41	1.41	1.42	1.43	1.45	1.46	1.48
Saline	11.43	12.07	12.72	13.41	14.10	14.82	15.55	16.31	17.14
Scott	0.91	0.92	0.93	0.94	0.95	0.96	0.98	0.99	1.00
Searcy	0.67	0.65	0.64	0.63	0.63	0.62	0.62	0.62	0.62
Sebastian	20.86	21.76	22.73	23.77	24.84	25.94	27.06	28.25	29.52
Sevier	1.70	1.69	1.68	1.68	1.68	1.69	1.70	1.70	1.72
Sharp	1.48	1.46	1.45	1.45	1.45	1.45	1.46	1.47	1.48
St. Francis	4.72	4.56	4.44	4.34	4.26	4.19	4.12	4.06	4.01
Stone	1.04	1.03	1.02	1.02	1.03	1.04	1.05	1.06	1.07
Union	5.15	5.12	5.13	5.15	5.19	5.23	5.28	5.34	5.41
Van Buren	2.21	2.21	2.23	2.25	2.29	2.32	2.36	2.40	2.45
Washington	27.44	28.44	29.45	30.54	31.68	32.86	34.05	35.30	36.62
White	8.06	8.77	9.48	10.20	10.94	11.68	12.43	13.22	14.07
Woodruff	0.98	0.94	0.90	0.87	0.85	0.83	0.80	0.78	0.77
Yell	2.77	2.78	2.80	2.83	2.87	2.90	2.95	2.99	3.04
TOTAL	**384.51**	**400.95**	**418.41**	**436.95**	**455.99**	**475.40**	**495.25**	**516.39**	**539.43**

Appendix D

Self-Supplied Domestic Water Demand by County and Scenario (With and Without Conservation)

Scenarios:	
ANRC	based upon population projections by Arkansas Natural Resource Commission, Water Resources Development Division (ANRC)
AIEA	based upon population projections by University of Arkansas Institute of Economic Advancement (AIEA)
W&P	based upon population projections by Woods & Poole Economic, Inc. (W&P)
Without Conservation	
With Conservation	accounts for passive conservation

Self-supplied Domestic Water Demand without Conservation in MGD: ANRC Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.73	0.73	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Benton	-	-	-	-	-	-	-	-	-
Boone	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.42
Bradley	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Calhoun	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Carroll	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Chicot	0.18	0.17	0.15	0.14	0.13	0.12	0.11	0.11	0.10
Clark	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Conway	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Craighead	0.44	0.47	0.50	0.53	0.56	0.58	0.61	0.63	0.64
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12
Faulkner	0.40	0.45	0.49	0.54	0.58	0.62	0.67	0.70	0.73
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Greene	0.32	0.33	0.35	0.35	0.36	0.36	0.36	0.36	0.36
Hempstead	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Hot Spring	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Howard	-	-	-	-	-	-	-	-	-
Independence	0.34	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36
Izard	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Jackson	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
Jefferson	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Johnson	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Lafayette	0.16	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.13
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Marion	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
Miller	0.75	0.77	0.79	0.81	0.82	0.83	0.83	0.84	0.84

Self-supplied Domestic Water Demand without Conservation in MGD: ANRC Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Mississippi	0.11	0.10	0.10	0.09	0.08	0.08	0.07	0.07	0.06
Monroe	0.30	0.27	0.24	0.22	0.20	0.19	0.18	0.18	0.17
Montgomery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Nevada	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
Newton	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Phillips	-	-	-	-	-	-	-	-	-
Pike	0.26	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29
Poinsett	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Polk	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Pope	0.73	0.76	0.79	0.81	0.82	0.82	0.83	0.83	0.83
Prairie	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.12
Pulaski	0.54	0.55	0.56	0.57	0.58	0.58	0.58	0.58	0.58
Randolph	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.50
Saline	-	-	-	-	-	-	-	-	-
Scott	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Searcy	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Sharp	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
St. Francis	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stone	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Union	0.43	0.42	0.40	0.40	0.39	0.39	0.39	0.39	0.38
Van Buren	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
TOTAL	**13.09**	**13.22**	**13.34**	**13.43**	**13.51**	**13.56**	**13.62**	**13.66**	**13.70**

Self-supplied Domestic Water Demand without Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.73	0.83	0.89	0.95	1.01	1.07	1.14	1.21	1.28
Benton	-	-	-	-	-	-	-	-	-
Boone	0.41	0.45	0.47	0.50	0.52	0.55	0.57	0.60	0.63
Bradley	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07
Calhoun	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
Carroll	0.30	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.35
Chicot	0.18	0.17	0.16	0.14	0.13	0.12	0.10	0.09	0.08
Clark	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06
Conway	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Craighead	0.44	0.45	0.48	0.51	0.53	0.56	0.59	0.63	0.66
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Faulkner	0.40	0.43	0.48	0.52	0.57	0.61	0.66	0.72	0.78
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16
Greene	0.32	0.34	0.35	0.37	0.39	0.41	0.43	0.45	0.47
Hempstead	0.49	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Hot Spring	0.30	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29
Howard	-	-	-	-	-	-	-	-	-
Independence	0.34	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.40
Izard	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18
Jackson	0.18	0.16	0.15	0.14	0.13	0.12	0.12	0.11	0.10
Jefferson	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Johnson	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08
Lafayette	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.10	0.09
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	0.39	0.41	0.43	0.44	0.46	0.48	0.50	0.53	0.55
Marion	0.67	0.70	0.72	0.73	0.75	0.77	0.79	0.81	0.83
Miller	0.75	0.80	0.84	0.87	0.90	0.94	0.97	1.01	1.04

Self-supplied Domestic Water Demand without Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Mississippi	0.11	0.10	0.10	0.09	0.09	0.08	0.08	0.07	0.07
Monroe	0.30	0.28	0.24	0.21	0.18	0.15	0.12	0.10	0.09
Montgomery	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
Nevada	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17
Newton	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.36	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.42
Phillips	-	-	-	-	-	-	-	-	-
Pike	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Poinsett	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15
Polk	0.66	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55
Pope	0.73	0.72	0.75	0.78	0.81	0.84	0.87	0.90	0.93
Prairie	0.14	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05
Pulaski	0.54	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.58
Randolph	0.44	0.47	0.48	0.49	0.49	0.50	0.51	0.52	0.53
Saline	-	-	-	-	-	-	-	-	-
Scott	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42
Searcy	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.29	0.31	0.33	0.34	0.36	0.38	0.39	0.41	0.43
Sharp	0.36	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.43
St. Francis	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Stone	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07
Union	0.43	0.44	0.43	0.43	0.42	0.41	0.40	0.39	0.39
Van Buren	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
TOTAL	**13.09**	**13.36**	**13.61**	**13.86**	**14.11**	**14.38**	**14.67**	**14.99**	**15.33**

Self-supplied Domestic Water Demand without Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.73	0.80	0.87	0.94	1.01	1.08	1.15	1.22	1.30
Benton	-	-	-	-	-	-	-	-	-
Boone	0.41	0.45	0.49	0.53	0.57	0.62	0.66	0.70	0.74
Bradley	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Calhoun	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Carroll	0.30	0.30	0.31	0.32	0.32	0.33	0.34	0.34	0.35
Chicot	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Clark	0.32	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Conway	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23
Craighead	0.44	0.46	0.47	0.49	0.50	0.52	0.53	0.55	0.56
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.13
Faulkner	0.40	0.50	0.59	0.68	0.78	0.87	0.97	1.07	1.18
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.13
Greene	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.37	0.38
Hempstead	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.54	0.55
Hot Spring	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36
Howard	-	-	-	-	-	-	-	-	-
Independence	0.34	0.36	0.38	0.41	0.43	0.45	0.47	0.49	0.52
Izard	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20
Jackson	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
Jefferson	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Johnson	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07
Lafayette	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	0.39	0.39	0.39	0.40	0.40	0.40	0.41	0.41	0.42
Marion	0.67	0.71	0.76	0.80	0.85	0.89	0.94	0.98	1.03
Miller	0.75	0.77	0.80	0.82	0.85	0.87	0.89	0.92	0.94

Self-supplied Domestic Water Demand without Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Mississippi	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10
Monroe	0.30	0.29	0.29	0.28	0.28	0.27	0.27	0.26	0.26
Montgomery	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06
Nevada	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Newton	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.36	0.39	0.43	0.46	0.49	0.53	0.56	0.60	0.63
Phillips	-	-	-	-	-	-	-	-	-
Pike	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27
Poinsett	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Polk	0.66	0.69	0.71	0.74	0.76	0.79	0.82	0.84	0.87
Pope	0.73	0.75	0.78	0.80	0.82	0.85	0.87	0.89	0.92
Prairie	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13
Pulaski	0.54	0.56	0.58	0.60	0.62	0.65	0.67	0.69	0.71
Randolph	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.50	0.51
Saline	-	-	-	-	-	-	-	-	-
Scott	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42
Searcy	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32
Sharp	0.36	0.36	0.37	0.37	0.38	0.38	0.38	0.39	0.39
St. Francis	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stone	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07
Union	0.43	0.44	0.44	0.45	0.46	0.47	0.47	0.48	0.49
Van Buren	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
TOTAL	**13.09**	**13.56**	**14.06**	**14.57**	**15.07**	**15.57**	**16.07**	**16.58**	**17.12**

Self-supplied Domestic Water Demand with Conservation in MGD: ANRC Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.73	0.71	0.70	0.69	0.68	0.67	0.67	0.66	0.66
Benton	-	-	-	-	-	-	-	-	-
Boone	0.41	0.40	0.40	0.39	0.39	0.38	0.38	0.38	0.38
Bradley	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Calhoun	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Carroll	0.30	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.27
Chicot	0.18	0.16	0.14	0.13	0.12	0.11	0.10	0.09	0.09
Clark	0.32	0.31	0.30	0.30	0.30	0.29	0.29	0.29	0.29
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Conway	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17
Craighead	0.44	0.46	0.48	0.50	0.53	0.54	0.56	0.58	0.59
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10
Faulkner	0.40	0.44	0.48	0.52	0.56	0.59	0.63	0.66	0.69
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09
Greene	0.32	0.33	0.33	0.33	0.34	0.33	0.33	0.33	0.33
Hempstead	0.49	0.48	0.47	0.46	0.46	0.45	0.45	0.45	0.44
Hot Spring	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.28
Howard	-	-	-	-	-	-	-	-	-
Independence	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.32
Izard	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14
Jackson	0.18	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.15
Jefferson	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
Johnson	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Lafayette	0.16	0.15	0.14	0.13	0.12	0.12	0.11	0.11	0.11
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	0.39	0.38	0.38	0.37	0.37	0.37	0.36	0.36	0.36
Marion	0.67	0.65	0.63	0.62	0.61	0.60	0.60	0.59	0.59
Miller	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Mississippi	0.11	0.10	0.09	0.08	0.08	0.07	0.06	0.06	0.05
Monroe	0.30	0.26	0.22	0.20	0.18	0.17	0.16	0.15	0.15
Montgomery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03
Nevada	0.19	0.18	0.17	0.16	0.16	0.15	0.15	0.15	0.15

Self-supplied Domestic Water Demand with Conservation in MGD: ANRC Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Newton	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.36	0.35	0.34	0.34	0.33	0.33	0.33	0.33	0.33
Phillips	-	-	-	-	-	-	-	-	-
Pike	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Poinsett	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14
Polk	0.66	0.64	0.63	0.62	0.61	0.60	0.60	0.59	0.59
Pope	0.73	0.74	0.76	0.77	0.77	0.77	0.77	0.77	0.76
Prairie	0.14	0.13	0.13	0.12	0.12	0.11	0.11	0.11	0.11
Pulaski	0.54	0.54	0.54	0.53	0.53	0.53	0.52	0.52	0.52
Randolph	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44
Saline	-	-	-	-	-	-	-	-	-
Scott	0.36	0.35	0.34	0.34	0.33	0.33	0.32	0.32	0.32
Searcy	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.27
Sharp	0.36	0.35	0.34	0.33	0.33	0.32	0.32	0.32	0.31
St. Francis	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stone	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05
Union	0.43	0.40	0.38	0.37	0.36	0.35	0.34	0.34	0.34
Van Buren	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
TOTAL	**13.09**	**12.85**	**12.69**	**12.55**	**12.46**	**12.38**	**12.34**	**12.30**	**12.27**

Self-supplied Domestic Water Demand with Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.73	0.81	0.85	0.89	0.93	0.97	1.03	1.08	1.14
Benton	-	-	-	-	-	-	-	-	-
Boone	0.41	0.44	0.45	0.47	0.48	0.50	0.52	0.55	0.57
Bradley	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.07
Calhoun	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
Carroll	0.30	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31
Chicot	0.18	0.17	0.15	0.13	0.12	0.10	0.09	0.08	0.07
Clark	0.32	0.31	0.31	0.30	0.30	0.29	0.29	0.29	0.29
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05
Conway	0.18	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16
Craighead	0.44	0.44	0.46	0.48	0.50	0.53	0.55	0.58	0.60
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10
Faulkner	0.40	0.43	0.46	0.50	0.54	0.58	0.63	0.68	0.73
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14
Greene	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.43
Hempstead	0.49	0.49	0.48	0.48	0.47	0.46	0.46	0.46	0.45
Hot Spring	0.30	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26
Howard	-	-	-	-	-	-	-	-	-
Independence	0.34	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.36
Izard	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.16	0.16
Jackson	0.18	0.15	0.14	0.13	0.12	0.11	0.10	0.10	0.09
Jefferson	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
Johnson	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08
Lafayette	0.16	0.15	0.13	0.12	0.11	0.10	0.09	0.08	0.08
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	0.39	0.40	0.40	0.42	0.43	0.44	0.45	0.47	0.49
Marion	0.67	0.68	0.68	0.68	0.69	0.70	0.71	0.72	0.73
Miller	0.75	0.78	0.80	0.82	0.84	0.86	0.89	0.91	0.94
Mississippi	0.11	0.10	0.09	0.09	0.08	0.08	0.07	0.07	0.06
Monroe	0.30	0.26	0.23	0.19	0.16	0.13	0.11	0.09	0.07
Montgomery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Nevada	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15

Self-supplied Domestic Water Demand with Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Newton	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.36	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38
Phillips	-	-	-	-	-	-	-	-	-
Pike	0.26	0.25	0.24	0.24	0.23	0.23	0.23	0.23	0.22
Poinsett	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.14
Polk	0.66	0.60	0.58	0.56	0.54	0.53	0.52	0.50	0.49
Pope	0.73	0.71	0.72	0.74	0.76	0.78	0.81	0.83	0.86
Prairie	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05
Pulaski	0.54	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.52
Randolph	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46
Saline	-	-	-	-	-	-	-	-	-
Scott	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37
Searcy	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.29	0.30	0.31	0.32	0.33	0.35	0.36	0.37	0.39
Sharp	0.36	0.37	0.36	0.36	0.36	0.36	0.36	0.37	0.37
St. Francis	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Stone	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
Union	0.43	0.43	0.41	0.39	0.38	0.37	0.36	0.35	0.34
Van Buren	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
TOTAL	**13.09**	**12.99**	**12.95**	**12.96**	**13.02**	**13.13**	**13.29**	**13.50**	**13.74**

Self-supplied Domestic Water Demand with Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.73	0.78	0.82	0.87	0.93	0.98	1.03	1.09	1.15
Benton	-	-	-	-	-	-	-	-	-
Boone	0.41	0.44	0.47	0.50	0.53	0.56	0.60	0.63	0.67
Bradley	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Calhoun	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04
Carroll	0.30	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31
Chicot	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16
Clark	0.32	0.32	0.31	0.31	0.31	0.32	0.32	0.32	0.32
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06
Conway	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.20
Craighead	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.51	0.52
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Faulkner	0.40	0.49	0.57	0.66	0.74	0.83	0.92	1.01	1.11
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12
Greene	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.34	0.34
Hempstead	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49
Hot Spring	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.32
Howard	-	-	-	-	-	-	-	-	-
Independence	0.34	0.35	0.37	0.38	0.40	0.41	0.43	0.45	0.47
Izard	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17
Jackson	0.18	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
Jefferson	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Johnson	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Lafayette	0.16	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	0.39	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Marion	0.67	0.69	0.72	0.74	0.77	0.80	0.84	0.87	0.91
Miller	0.75	0.75	0.76	0.77	0.79	0.80	0.82	0.83	0.85
Mississippi	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09
Monroe	0.30	0.28	0.27	0.26	0.25	0.24	0.23	0.23	0.22
Montgomery	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
Nevada	0.19	0.18	0.18	0.17	0.17	0.17	0.17	0.16	0.16

Self-supplied Domestic Water Demand with Conservation in MGD: W&P Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Newton	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.36	0.38	0.41	0.43	0.46	0.49	0.51	0.54	0.57
Phillips	-	-	-	-	-	-	-	-	-
Pike	0.26	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24
Poinsett	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14
Polk	0.66	0.67	0.68	0.69	0.70	0.72	0.74	0.76	0.78
Pope	0.73	0.74	0.75	0.76	0.78	0.79	0.81	0.82	0.84
Prairie	0.14	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11
Pulaski	0.54	0.55	0.55	0.56	0.57	0.59	0.60	0.62	0.63
Randolph	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44
Saline	-	-	-	-	-	-	-	-	-
Scott	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37
Searcy	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.29
Sharp	0.36	0.35	0.35	0.34	0.34	0.34	0.34	0.34	0.34
St. Francis	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Stone	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Union	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43
Van Buren	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
TOTAL	**13.09**	**13.19**	**13.37**	**13.62**	**13.90**	**14.21**	**14.55**	**14.92**	**15.34**

Appendix E

Self-Supplied Commercial Water Demand by County and Scenario

Self-Supplied Commercial Water Demand by County in MGD: ANRC Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Benton	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.19	0.19
Boone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Chicot	-	-	-	-	-	-	-	-	-
Clark	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clay	-	-	-	-	-	-	-	-	-
Cleburne	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Craighead	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	-	-	-	-	-	-	-	-	-
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04
Drew	-	-	-	-	-	-	-	-	-
Faulkner	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Franklin	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Fulton	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Garland	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Grant	-	-	-	-	-	-	-	-	-
Greene	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11
Hempstead	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76
Hot Spring	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Howard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Independence	-	-	-	-	-	-	-	-	-
Izard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johnson	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Lafayette	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lawrence	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Logan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lonoke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madison	-	-	-	-	-	-	-	-	-
Marion	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Miller	2.98	3.07	3.15	3.21	3.27	3.29	3.32	3.32	3.33
Mississippi	-	-	-	-	-	-	-	-	-

Self-Supplied Commercial Water Demand by County in MGD: ANRC Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Monroe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montgomery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Pike	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Poinsett	-	-	-	-	-	-	-	-	-
Polk	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Pope	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
Randolph	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
St. Francis	-	-	-	-	-	-	-	-	-
Saline	0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.22	0.22
Scott	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Union	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.07	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.13
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**5.35**	**5.48**	**5.61**	**5.70**	**5.79**	**5.84**	**5.89**	**5.91**	**5.93**

Self-Supplied Commercial Water Demand by County in MGD: AIEA Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.14	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.24
Benton	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.26	0.28
Boone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
Chicot	-	-	-	-	-	-	-	-	-
Clark	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clay	-	-	-	-	-	-	-	-	-
Cleburne	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Craighead	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.09
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	-	-	-	-	-	-	-	-	-
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05
Drew	-	-	-	-	-	-	-	-	-
Faulkner	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Franklin	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
Fulton	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
Garland	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08
Grant	-	-	-	-	-	-	-	-	-
Greene	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14
Hempstead	0.75	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Hot Spring	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Howard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Independence	-	-	-	-	-	-	-	-	-
Izard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johnson	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07
Lafayette	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lawrence	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Logan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lonoke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madison	-	-	-	-	-	-	-	-	-
Marion	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Miller	2.98	3.20	3.33	3.46	3.59	3.72	3.86	4.00	4.15

Self-Supplied Commercial Water Demand by County in MGD: AIEA Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Mississippi	-	-	-	-	-	-	-	-	-
Monroe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montgomery	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Pike	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Poinsett	-	-	-	-	-	-	-	-	-
Polk	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Pope	0.06	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05
Randolph	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
St. Francis	-	-	-	-	-	-	-	-	-
Saline	0.15	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22
Scott	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Union	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.14
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**5.35**	**5.67**	**5.87**	**6.07**	**6.27**	**6.47**	**6.69**	**6.91**	**7.15**

Self-Supplied Commercial Water Demand by County in MGD: W&P Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.23	0.24
Benton	0.11	0.14	0.16	0.18	0.20	0.22	0.25	0.27	0.29
Boone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
Chicot	-	-	-	-	-	-	-	-	-
Clark	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clay	-	-	-	-	-	-	-	-	-
Cleburne	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.16
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Craighead	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	-	-	-	-	-	-	-	-	-
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Drew	-	-	-	-	-	-	-	-	-
Faulkner	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Franklin	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
Fulton	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
Garland	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10
Grant	-	-	-	-	-	-	-	-	-
Greene	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11
Hempstead	0.75	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.83
Hot Spring	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Howard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Independence	-	-	-	-	-	-	-	-	-
Izard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johnson	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
Lafayette	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lawrence	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10
Logan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lonoke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madison	-	-	-	-	-	-	-	-	-
Marion	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
Miller	2.98	3.07	3.17	3.26	3.36	3.46	3.55	3.65	3.74

Self-Supplied Commercial Water Demand by County in MGD: W&P Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Mississippi	-	-	-	-	-	-	-	-	-
Monroe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Montgomery	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Pike	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Poinsett	-	-	-	-	-	-	-	-	-
Polk	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
Pope	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06
Randolph	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
St. Francis	-	-	-	-	-	-	-	-	-
Saline	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.23	0.24
Scott	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Union	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.07	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.10
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**5.35**	**5.54**	**5.72**	**5.92**	**6.11**	**6.30**	**6.49**	**6.68**	**6.88**

Appendix F

Industrial Water Demand by County

Industrial Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ashley	52.70	49.32	46.16	43.22	40.28	37.39	34.55	31.92	29.50
Baxter	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benton	3.81	2.72	1.95	2.02	2.08	2.14	2.20	2.25	2.31
Boone	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradley	0.45	0.47	0.49	0.45	0.41	0.37	0.33	0.30	0.26
Calhoun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carroll	-	-	-	-	-	-	-	-	-
Chicot	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Clark	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.25
Clay	0.06	0.06	0.07	0.06	0.06	0.06	0.05	0.05	0.05
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	4.71	4.75	4.80	4.66	4.50	4.33	4.15	3.98	3.82
Conway	8.01	7.99	7.97	7.20	6.46	5.79	5.16	4.60	4.10
Craighead	3.69	3.72	3.75	3.77	3.77	3.76	3.74	3.71	3.69
Crawford	0.46	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.45
Crittenden	0.29	0.17	0.11	0.10	0.09	0.08	0.07	0.07	0.06
Cross	0.44	0.44	0.43	0.42	0.40	0.38	0.36	0.34	0.32
Dallas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Desha	13.69	12.81	11.99	11.23	10.46	9.70	8.96	8.28	7.65
Drew	0.16	0.16	0.16	0.15	0.13	0.12	0.11	0.10	0.09
Faulkner	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Franklin	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
Fulton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Garland	1.98	1.89	1.80	1.74	1.68	1.61	1.54	1.47	1.40
Grant	0.28	0.29	0.31	0.28	0.25	0.23	0.20	0.18	0.16
Greene	0.70	0.72	0.74	0.75	0.75	0.75	0.75	0.75	0.75
Hempstead	0.86	0.83	0.80	0.77	0.74	0.71	0.67	0.64	0.61
Hot Spring	0.64	0.63	0.62	0.58	0.55	0.52	0.48	0.45	0.42
Howard	1.31	1.26	1.22	1.19	1.15	1.11	1.06	1.02	0.98
Independence	40.15	40.18	40.22	39.58	38.77	37.82	36.75	35.72	34.71
Izard	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Jackson	0.17	0.18	0.20	0.18	0.17	0.15	0.14	0.13	0.12
Jefferson	37.40	35.08	32.92	31.92	30.83	29.64	28.39	27.19	26.03
Johnson	1.96	1.92	1.88	1.88	1.86	1.85	1.82	1.79	1.77
Lafayette	-	-	-	-	-	-	-	-	-
Lawrence	-	-	-	-	-	-	-	-	-
Lee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lincoln	-	-	-	-	-	-	-	-	-
Little River	88.54	86.61	85.01	80.79	76.49	72.13	67.76	63.66	59.80
Logan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lonoke	1.00	1.04	1.08	1.06	1.03	1.00	0.96	0.93	0.90
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	0.16	0.15	0.13	0.13	0.12	0.11	0.11	0.10	0.10
Mississippi	3.13	3.51	4.02	4.04	4.05	4.04	4.02	4.00	3.98

Industrial Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Monroe	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02
Montgomery	0.09	0.08	0.08	0.07	0.06	0.05	0.04	0.04	0.03
Nevada	0.08	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.03
Newton	-	-	-	-	-	-	-	-	-
Ouachita	0.19	0.18	0.17	0.15	0.13	0.11	0.09	0.08	0.07
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.10	0.08	0.07	0.06	0.05	0.04	0.03	0.03	0.02
Pike	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Poinsett	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Polk	-	-	-	-	-	-	-	-	-
Pope	4.61	4.51	4.41	4.37	4.30	4.22	4.12	4.03	3.93
Prairie	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Pulaski	3.14	3.12	3.10	2.88	2.67	2.46	2.26	2.08	1.91
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	-	-	-	-	-	-	-	-	-
Saline	2.63	2.56	2.51	2.11	1.78	1.48	1.24	1.03	0.86
Scott	1.01	1.01	1.00	1.01	1.02	1.02	1.02	1.02	1.02
Searcy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sebastian	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sevier	1.43	1.38	1.33	1.28	1.23	1.17	1.12	1.06	1.01
Sharp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stone	-	-	-	-	-	-	-	-	-
Union	7.37	7.59	7.83	7.54	7.23	6.91	6.58	6.25	5.95
Van Buren	0.28	0.29	0.29	0.28	0.27	0.26	0.26	0.25	0.24
Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White	0.46	0.47	0.48	0.46	0.45	0.43	0.42	0.40	0.38
Woodruff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yell	1.98	1.94	1.90	1.88	1.86	1.83	1.79	1.75	1.71
TOTAL	**290.69**	**281.20**	**273.03**	**261.27**	**249.13**	**236.74**	**224.23**	**212.53**	**201.58**

Appendix G

Mining Water Demand by County

Mining Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Benton	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Boone	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	-	-	-	-	-	-	-	-	-
Chicot	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	-	-	-	-
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	-	-	-	-	-	-	-	-	-
Craighead	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Crawford	0.45	0.56	0.69	0.85	1.04	1.26	1.51	1.81	2.17
Crittenden	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.04
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.29	0.29	0.29	0.33	0.33	0.33	0.29	0.26	0.23
Faulkner	0.06	0.08	0.10	0.15	0.21	0.30	0.41	0.56	0.76
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08
Hempstead	0.14	0.10	0.08	0.09	0.10	0.11	0.12	0.13	0.14
Hot Spring	0.86	0.83	0.81	0.85	0.88	0.88	0.85	0.82	0.79
Howard	-	-	-	-	-	-	-	-	-
Independence	-	-	-	-	-	-	-	-	-
Izard	3.02	2.85	2.69	3.34	4.02	4.71	5.36	6.09	6.94
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	-	-	-	-	-	-	-	-	-
Johnson	-	-	-	-	-	-	-	-	-
Lafayette	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lawrence	0.28	0.28	0.29	0.27	0.24	0.21	0.19	0.16	0.14
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	-	-	-	-	-	-	-	-	-
Mississippi	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01

Mining Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Monroe	-	-	-	-	-	-	-	-	-
Montgomery	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
Pike	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Poinsett	0.03	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01
Polk	0.28	0.35	0.44	0.56	0.71	0.89	1.11	1.38	1.71
Pope	-	-	-	-	-	-	-	-	-
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.34	0.43	0.55	0.60	0.63	0.65	0.65	0.65	0.66
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	-	-	-	-	-	-	-	-	-
Saline	-	-	-	-	-	-	-	-	-
Scott	-	-	-	-	-	-	-	-	-
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	-	-	-	-	-	-	-	-	-
Union	-	-	-	-	-	-	-	-	-
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
White	0.11	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19
Woodruff	-	-	-	-	-	-	-	-	-
Yell	-	-	-	-	-	-	-	-	-
TOTAL	6.10	6.17	6.33	7.46	8.60	9.79	10.93	12.32	14.00

Appendix H

Thermoelectric Power Water Demand by Facility and Scenario (Withdrawal and Consumptive)

Thermoelectric Power Generating Facilities

Plant Name	County	Generator & Cooling Type
Arkansas Nuclear One Generator 1	Pope	Nuclear/ Once-through
Arkansas Nuclear One Generator 2	Pope	Nuclear/ Cooling Tower
Carl Bailey	Woodruff	Natural Gas/Once-through
Cecil Lynch	Pulaski	Natural Gas/Cooling Tower
Cecil Lynch IC	Pulaski	Distillate Fuel Oil/Internal Combustion Engine
Dell Power Station Generator CT	Mississippi	Natural Gas Combined-Cycle Combustion Turbine
Dell Power Station Generator ST	Mississippi	Natural Gas Combined-Cycle Steam Turbine/Cooling Tower
Elkins Generating Center	Washington	Natural Gas/Combustion (Gas) Turbine
Flint Creek	Benton	Coal/ Once-Through (cooling pond)
Fulton	Hempstead	Natural Gas/Combustion (Gas) Turbine
Hamilton Moses	St Francis	Natural Gas/Cooling Tower
Harry D. Mattison Gas Plant	Washington	Natural Gas/Combustion (Gas) Turbine
Harry L. Oswald CT	Pulaski	Natural Gas Combined-Cycle Combustion Turbines
Harry L. Oswald ST	Pulaski	Natural Gas Combined-Cycle Steam Turbine/Cooling Tower
Harvey Couch	Lafayette	Natural Gas/Cooling Tower
Hot Spring Power Project CT	Hot Spring	Natural Gas Combined-Cycle Combustion Turbines
Hot Spring Power Project ST	Hot Spring	Natural Gas Combined-Cycle Steam Turbine/Cooling Tower
Independence	Independence	Coal/Cooling Tower
John W Turk	Hempstead	Coal (ultra supercritical)/Cooling Tower
Jonesboro City Water & Light Plant	Craighead	Natural Gas/Combustion (Gas) Turbine
KGen Hot Spring Generating Facility CT	Hot Spring	Natural Gas Combined-Cycle Combustion Turbines
KGen Hot Spring Generating Facility ST	Hot Spring	Natural Gas Combined-Cycle Steam Turbine/Cooling Tower
Lake Catherine	Hot Spring	Natural Gas/Once-through
Mabelvale	Pulaski	Natural Gas/Combustion (Gas) Turbine
McClellan	Ouachita	Natural Gas/Once-through
Municipal Light	Clay	Distillate Fuel Oil/Internal Combustion Engine
Osceola	Mississippi	Distillate Fuel Oil/Internal Combustion Engine
Paragould Reciprocating	Greene	Natural Gas/Internal Combustion Engine
Paragould Turbine	Greene	Natural Gas/Combustion (Gas) Turbine
Pine Bluff Energy Center	Jefferson	Natural Gas Combined-Cycle Steam Turbine/Cooling Tower
Pine Bluff Energy Center CT	Jefferson	Natural Gas Combined-Cycle Combustion Turbine
Plum Point Energy Station	Mississippi	Coal/Cooling Tower

Thermoelectric Power Generating Facilities

Plant Name	County	Generator & Cooling Type
Robert E Ritchie	Phillips	Natural Gas/Once-through
Thomas Fitzhugh CT	Franklin	Natural Gas Combined-Cycle Combustion Turbines
Thomas Fitzhugh ST	Franklin	Natural Gas Combined-Cycle Steam Turbine/Once-Through with Cooling Tower Helper
Two Pine Landfill Gas Recovery	Pulaski	Landfill Gas/Internal Combustion Engine
Union Power Partners LP CT	Union	Natural Gas Combined-Cycle Combustion Turbines
Union Power Partners LP ST	Union	Natural Gas Combined-Cycle/Cooling Tower
Waste Management Eco Vista LFGTE	Washington	Landfill Gas/Internal Combustion Engine
White Bluff	Jefferson	Coal/Cooling Tower

Water Use by Generating and Cooling Type

Generator & Cooling Type	Withdr. Gal/MWh	Cons. Gal/MWh
Nuclear/ Once-through	40,000	580
Natural Gas/Once-through (Stand-by Generators)	40,000	400
Natural Gas/Once-through	35,000	400
Coal/ Once-Through (cooling pond)	35,000	350
Natural Gas/Once-through	35,000	350
Natural Gas/Once-through	35,000	300
Natural Gas Combined-Cycle Steam Turbine/Once-Through with Cooling Tower Helper	35,000	400
Natural Gas/Cooling Tower	800	800
Nuclear/ Cooling Tower	750	750
Natural Gas Combined-Cycle Steam Turbine/Cooling Tower	700	700
Coal/Cooling Tower	600	600
Coal (ultra supercritical)/Cooling Tower	550	550
Natural Gas Combined-Cycle Combustion Turbine	50	50
Natural Gas/Combustion (Gas) Turbine	50	50
Natural Gas Combined-Cycle Combustion Turbines	50	50
Natural Gas/Once-through (Operating Generators)	40	350
Distillate Fuel Oil/Internal Combustion Engine	0	0
Natural Gas/Combustion (Gas) Turbine	0	0
Distillate Fuel Oil/Internal Combustion Engine	0	0
Distillate Fuel Oil/Internal Combustion Engine	0	0
Natural Gas/Internal Combustion Engine	0	0
Distillate Fuel Oil/Internal Combustion Engine	0	0
Landfill Gas/Internal Combustion Engine	0	0
Landfill Gas/Internal Combustion Engine	0	0

Withdrawals in MGD

Reference Case Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas Nuclear One Generator 1	724.06	805.75	805.75	805.75	805.75	805.75	805.75	805.75	805.75
Arkansas Nuclear One Generator 2	17.29	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56
Carl Bailey	4.43	7.81	6.95	7.35	7.04	7.75	8.06	8.39	8.72
Cecil Lynch	0.10	0.18	0.16	0.17	0.16	0.18	0.19	0.20	0.20
Cecil Lynch IC	-	-	-	-	-	-	-	-	-
Dell Power Station Generator CT	0.06	0.09	0.08	0.09	0.08	0.09	0.09	0.09	0.10
Dell Power Station Generator ST	0.45	0.26	0.24	0.25	0.24	0.26	0.27	0.28	0.29
Elkins Generating Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flint Creek	344.58	289.55	311.48	360.42	373.66	376.40	376.40	376.40	376.40
Fulton	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Hamilton Moses	-	0.03	0.02	0.03	0.02	0.03	0.04	0.04	0.05
Harry D. Mattison Gas Plant	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Harry L. Oswald CT	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Harry L. Oswald ST	0.70	1.02	0.95	0.98	0.96	1.02	1.04	1.07	1.09
Harvey Couch	0.15	0.12	0.10	0.11	0.10	0.12	0.12	0.13	0.13
Hot Spring Power Project CT	0.16	0.19	0.17	0.18	0.18	0.19	0.19	0.19	0.20
Hot Spring Power Project ST	1.25	1.48	1.38	1.43	1.39	1.48	1.51	1.55	1.58
Independence	19.55	19.66	20.40	20.13	20.23	20.23	20.23	20.23	20.23
John W Turk	-	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83
Jonesboro City Water & Light Plant	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
KGen Hot Spring Generating Facility CT	0.06	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.09
KGen Hot Spring Generating Facility ST	0.65	0.86	0.80	0.83	0.81	0.86	0.88	0.90	0.92
Lake Catherine	14.73	41.00	37.87	39.34	38.22	40.78	41.84	42.92	44.03
Mabelvale	-	-	-	-	-	-	-	-	-
McClellan	20.39	27.21	25.06	26.07	25.30	27.06	27.79	28.55	29.31
Municipal Light	-	-	-	-	-	-	-	-	-
Osceola	-	-	-	-	-	-	-	-	-
Paragould Reciprocating	-	-	-	-	-	-	-	-	-
Paragould Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pine Bluff Energy Center	0.44	0.66	0.61	0.63	0.62	0.66	0.66	0.66	0.66
Pine Bluff Energy Center CT	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Withdrawals in MGD

Reference Case Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Plum Point Energy Station	2.67	8.23	8.54	8.42	8.47	8.47	8.47	8.47	8.47
Robert E Ritchie	-	1.46	1.01	1.22	1.06	1.43	1.61	1.81	2.00
Thomas Fitzhugh CT	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Thomas Fitzhugh ST	2.00	2.82	2.95	2.78	2.92	3.04	3.31	3.60	3.91
Two Pine Landfill Gas Recovery	-	-	-	-	-	-	-	-	-
Union Power Partners LP CT	0.54	0.83	0.78	0.80	0.78	0.83	0.85	0.87	0.89
Union Power Partners LP ST	4.71	7.32	6.83	7.06	6.88	7.29	7.45	7.61	7.78
Waste Management Eco Vista LFGTE	-	-	-	-	-	-	-	-	-
White Bluff	18.01	17.93	18.61	18.35	18.45	18.44	18.44	18.44	18.44
SUM	**1,177.20**	**1,258.21**	**1,274.46**	**1,326.12**	**1,337.04**	**1,346.07**	**1,348.93**	**1,351.89**	**1,354.92**

Consumption in MGD

Reference Case Scenario

Plant Name	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas Nuclear One Generator 1	10.50	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68
Arkansas Nuclear One Generator 2	17.29	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56
Carl Bailey	0.05	0.09	0.08	0.08	0.08	0.09	0.09	0.10	0.10
Cecil Lynch	0.10	0.18	0.16	0.17	0.16	0.18	0.19	0.20	0.20
Cecil Lynch IC	-	-	-	-	-	-	-	-	-
Dell Power Station Generator CT	0.06	0.09	0.08	0.09	0.08	0.09	0.09	0.09	0.10
Dell Power Station Generator ST	0.45	0.26	0.24	0.25	0.24	0.26	0.27	0.28	0.29
Elkins Generating Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flint Creek	3.45	2.90	3.11	3.60	3.74	3.76	3.76	3.76	3.76
Fulton	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Hamilton Moses	-	0.03	0.02	0.03	0.02	0.03	0.04	0.04	0.05
Harry D. Mattison Gas Plant	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Harry L. Oswald CT	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Harry L. Oswald ST	0.70	1.02	0.95	0.98	0.96	1.02	1.04	1.07	1.09
Harvey Couch	0.15	0.12	0.10	0.11	0.10	0.12	0.12	0.13	0.13
Hot Spring Power Project CT	0.16	0.19	0.17	0.18	0.18	0.19	0.19	0.19	0.20
Hot Spring Power Project ST	1.25	1.48	1.38	1.43	1.39	1.48	1.51	1.55	1.58
Independence	19.55	19.66	20.40	20.13	20.23	20.23	20.23	20.23	20.23
John W Turk	-	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83
Jonesboro City Water & Light Plant	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
KGen Hot Spring Generating Facility CT	0.06	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.09
KGen Hot Spring Generating Facility ST	0.65	0.86	0.80	0.83	0.81	0.86	0.88	0.90	0.92
Lake Catherine	0.15	0.41	0.38	0.39	0.38	0.41	0.42	0.43	0.44
Mabelvale	-	-	-	-	-	-	-	-	-
McClellan	0.20	0.27	0.25	0.26	0.25	0.27	0.28	0.29	0.29
Municipal Light	-	-	-	-	-	-	-	-	-
Osceola	-	-	-	-	-	-	-	-	-
Paragould Reciprocating	-	-	-	-	-	-	-	-	-
Paragould Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pine Bluff Energy Center	0.44	0.66	0.61	0.63	0.62	0.66	0.66	0.66	0.66
Pine Bluff Energy Center CT	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Consumption in MGD

Reference Case Scenario

Plant Name	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Plum Point Energy Station	2.67	8.23	8.54	8.42	8.47	8.47	8.47	8.47	8.47
Robert E Ritchie	-	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Thomas Fitzhugh CT	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Thomas Fitzhugh ST	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Two Pine Landfill Gas Recovery	-	-	-	-	-	-	-	-	-
Union Power Partners LP CT	0.54	0.83	0.78	0.80	0.78	0.83	0.85	0.87	0.89
Union Power Partners LP ST	4.71	7.32	6.83	7.06	6.88	7.29	7.45	7.61	7.78
Waste Management Eco Vista LFGTE	-	-	-	-	-	-	-	-	-
White Bluff	18.01	17.93	18.61	18.35	18.45	18.44	18.44	18.44	18.44
SUM	**81.37**	**98.00**	**98.94**	**99.25**	**99.27**	**100.12**	**100.45**	**100.79**	**101.13**

Withdrawals in MGD

Low Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas Nuclear One Generator 1	724.06	805.75	805.75	805.75	805.75	805.75	805.75	805.75	805.75
Arkansas Nuclear One Generator 2	17.29	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56
Carl Bailey	4.43	7.92	6.37	7.84	6.61	6.86	7.23	7.61	8.05
Cecil Lynch	0.10	0.18	0.15	0.18	0.15	0.16	0.17	0.18	0.19
Cecil Lynch IC	-	-	-	-	-	-	-	-	-
Dell Power Station Generator CT	0.06	0.09	0.08	0.09	0.08	0.08	0.08	0.09	0.09
Dell Power Station Generator ST	0.45	0.27	0.22	0.26	0.23	0.24	0.25	0.26	0.27
Elkins Generating Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flint Creek	344.58	398.57	398.57	398.57	398.57	398.57	398.57	398.57	398.57
Fulton	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Hamilton Moses	-	0.04	0.02	0.03	0.02	0.02	0.03	0.03	0.04
Harry D. Mattison Gas Plant	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Harry L. Oswald CT	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Harry L. Oswald ST	0.70	1.03	0.90	1.02	0.92	0.94	0.97	1.01	1.04
Harvey Couch	0.15	0.12	0.09	0.12	0.09	0.10	0.11	0.11	0.12
Hot Spring Power Project CT	0.16	0.19	0.17	0.19	0.17	0.17	0.18	0.18	0.19
Hot Spring Power Project ST	1.25	1.50	1.31	1.49	1.34	1.37	1.41	1.46	1.51
Independence	19.55	19.66	20.43	19.91	20.02	20.04	20.06	20.08	20.11
John W Turk	-	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83
Jonesboro City Water & Light Plant	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
KGen Hot Spring Generating Facility CT	0.06	0.09	0.07	0.09	0.08	0.08	0.08	0.08	0.09
KGen Hot Spring Generating Facility ST	0.65	0.87	0.75	0.86	0.77	0.79	0.82	0.85	0.88
Lake Catherine	14.73	41.38	35.74	41.09	36.63	37.54	38.90	40.30	41.79
Mabelvale	-	-	-	-	-	-	-	-	-
McClellan	20.39	27.47	23.60	27.27	24.21	24.83	25.76	26.73	27.76
Municipal Light	-	-	-	-	-	-	-	-	-
Osceola	-	-	-	-	-	-	-	-	-
Paragould Reciprocating	-	-	-	-	-	-	-	-	-
Paragould Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pine Bluff Energy Center	0.44	0.66	0.58	0.66	0.59	0.60	0.63	0.65	0.66
Pine Bluff Energy Center CT	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Withdrawals in MGD

Low Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Plum Point Energy Station	2.67	8.23	8.55	8.33	8.38	8.39	8.40	8.41	8.42
Robert E Ritchie	-	1.53	0.70	1.48	0.83	0.96	1.16	1.36	1.60
Thomas Fitzhugh CT	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Thomas Fitzhugh ST	2.00	2.70	2.82	2.71	2.71	2.72	2.73	2.74	2.76
Two Pine Landfill Gas Recovery	-	-	-	-	-	-	-	-	-
Union Power Partners LP CT	0.54	0.84	0.74	0.84	0.76	0.77	0.80	0.82	0.85
Union Power Partners LP ST	4.71	7.38	6.49	7.34	6.63	6.78	6.99	7.21	7.44
Waste Management Eco Vista LFGTE	-	-	-	-	-	-	-	-	-
White Bluff	18.01	17.93	18.63	18.16	18.25	18.28	18.30	18.32	18.34
SUM	**1,177.20**	**1,368.04**	**1,356.36**	**1,367.91**	**1,357.40**	**1,359.67**	**1,363.00**	**1,366.44**	**1,370.13**

Consumption in MGD

Low Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas Nuclear One Generator 1	10.50	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68
Arkansas Nuclear One Generator 2	17.29	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56
Carl Bailey	0.05	0.09	0.07	0.09	0.08	0.08	0.08	0.09	0.09
Cecil Lynch	0.10	0.18	0.15	0.18	0.15	0.16	0.17	0.18	0.19
Cecil Lynch IC	-	-	-	-	-	-	-	-	-
Dell Power Station Generator CT	0.06	0.09	0.08	0.09	0.08	0.08	0.08	0.09	0.09
Dell Power Station Generator ST	0.45	0.27	0.22	0.26	0.23	0.24	0.25	0.26	0.27
Elkins Generating Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flint Creek	3.45	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
Fulton	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Hamilton Moses	-	0.04	0.02	0.03	0.02	0.02	0.03	0.03	0.04
Harry D. Mattison Gas Plant	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Harry L. Oswald CT	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Harry L. Oswald ST	0.70	1.03	0.90	1.02	0.92	0.94	0.97	1.01	1.04
Harvey Couch	0.15	0.12	0.09	0.12	0.09	0.10	0.11	0.11	0.12
Hot Spring Power Project CT	0.16	0.19	0.17	0.19	0.17	0.17	0.18	0.18	0.19
Hot Spring Power Project ST	1.25	1.50	1.31	1.49	1.34	1.37	1.41	1.46	1.51
Independence	19.55	19.66	20.43	19.91	20.02	20.04	20.06	20.08	20.11
John W Turk	-	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83
Jonesboro City Water & Light Plant	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
KGen Hot Spring Generating Facility CT	0.06	0.09	0.07	0.09	0.08	0.08	0.08	0.08	0.09
KGen Hot Spring Generating Facility ST	0.65	0.87	0.75	0.86	0.77	0.79	0.82	0.85	0.88
Lake Catherine	0.15	0.41	0.36	0.41	0.37	0.38	0.39	0.40	0.42
Mabelvale	-	-	-	-	-	-	-	-	-
McClellan	0.20	0.27	0.24	0.27	0.24	0.25	0.26	0.27	0.28
Municipal Light	-	-	-	-	-	-	-	-	-
Osceola	-	-	-	-	-	-	-	-	-
Paragould Reciprocating	-	-	-	-	-	-	-	-	-
Paragould Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pine Bluff Energy Center	0.44	0.66	0.58	0.66	0.59	0.60	0.63	0.65	0.66
Pine Bluff Energy Center CT	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Consumption in MGD

Low Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Plum Point Energy Station	2.67	8.23	8.55	8.33	8.38	8.39	8.40	8.41	8.42
Robert E Ritchie	-	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Thomas Fitzhugh CT	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Thomas Fitzhugh ST	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Two Pine Landfill Gas Recovery	-	-	-	-	-	-	-	-	-
Union Power Partners LP CT	0.54	0.84	0.74	0.84	0.76	0.77	0.80	0.82	0.85
Union Power Partners LP ST	4.71	7.38	6.49	7.34	6.63	6.78	6.99	7.21	7.44
Waste Management Eco Vista LFGTE	-	-	-	-	-	-	-	-	-
White Bluff	18.01	17.93	18.63	18.16	18.25	18.28	18.30	18.32	18.34
SUM	**81.37**	**99.20**	**99.18**	**99.68**	**98.50**	**98.85**	**99.34**	**99.84**	**100.36**

Withdrawals in MGD

High Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas Nuclear One Generator 1	724.06	805.75	805.75	805.75	805.75	805.75	805.75	805.75	805.75
Arkansas Nuclear One Generator 2	17.29	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56
Carl Bailey	4.43	7.84	7.04	7.45	7.70	8.93	12.51	23.61	54.48
Cecil Lynch	0.10	0.18	0.16	0.17	0.18	0.21	0.29	0.55	1.26
Cecil Lynch IC	-	-	-	-	-	-	-	-	-
Dell Power Station Generator CT	0.06	0.09	0.08	0.09	0.09	0.10	0.12	0.16	0.23
Dell Power Station Generator ST	0.45	0.26	0.24	0.25	0.26	0.29	0.39	0.65	1.30
Elkins Generating Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flint Creek	344.58	398.57	398.57	398.57	398.57	398.58	398.58	398.58	398.58
Fulton	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Hamilton Moses	-	0.03	0.02	0.03	0.03	0.05	0.10	0.31	0.96
Harry D. Mattison Gas Plant	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Harry L. Oswald CT	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.10
Harry L. Oswald ST	0.70	1.02	0.95	0.99	1.01	1.11	1.39	1.87	2.80
Harvey Couch	0.15	0.12	0.10	0.11	0.11	0.14	0.21	0.44	1.13
Hot Spring Power Project CT	0.16	0.19	0.18	0.18	0.19	0.20	0.25	0.32	0.41
Hot Spring Power Project ST	1.25	1.49	1.39	1.44	1.47	1.61	2.00	2.61	3.08
Independence	19.55	19.78	20.56	20.25	20.36	20.59	20.59	20.59	20.59
John W Turk	-	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83
Jonesboro City Water & Light Plant	0.01	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05
KGen Hot Spring Generating Facility CT	0.06	0.09	0.08	0.08	0.08	0.09	0.12	0.15	0.22
KGen Hot Spring Generating Facility ST	0.65	0.86	0.81	0.84	0.85	0.94	1.18	1.61	2.49
Lake Catherine	14.73	41.11	38.20	39.69	40.63	44.72	56.60	78.81	125.76
Mabelvale	-	-	-	-	-	-	-	-	-
McClellan	20.39	27.29	25.29	26.31	26.95	29.80	38.05	54.87	80.18
Municipal Light	-	-	-	-	-	-	-	-	-
Osceola	-	-	-	-	-	-	-	-	-
Paragould Reciprocating	-	-	-	-	-	-	-	-	-
Paragould Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pine Bluff Energy Center	0.44	0.66	0.62	0.64	0.65	0.66	0.66	0.66	0.66
Pine Bluff Energy Center CT	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Withdrawals in MGD

High Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Plum Point Energy Station	2.67	8.28	8.60	8.48	8.52	8.62	8.62	8.62	8.62
Robert E Ritchie	-	1.48	1.06	1.27	1.41	2.13	4.24	11.47	11.47
Thomas Fitzhugh CT	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Thomas Fitzhugh ST	2.00	2.73	2.87	3.10	3.34	3.36	3.71	4.09	4.50
Two Pine Landfill Gas Recovery	-	-	-	-	-	-	-	-	-
Union Power Partners LP CT	0.54	0.84	0.78	0.81	0.83	0.90	1.10	1.18	1.18
Union Power Partners LP ST	4.71	7.34	6.88	7.12	7.26	7.89	9.68	12.00	12.00
Waste Management Eco Vista LFGTE	-	-	-	-	-	-	-	-	-
White Bluff	18.01	18.04	18.75	18.47	18.56	18.78	18.78	18.78	18.78
SUM	**1,177.20**	**1,367.68**	**1,362.63**	**1,365.74**	**1,368.47**	**1,379.09**	**1,408.59**	**1,471.36**	**1,580.19**

Consumption in MGD

High Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas Nuclear One Generator 1	10.50	11.68	11.68	11.68	11.68	11.68	11.68	11.68	11.68
Arkansas Nuclear One Generator 2	17.29	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56
Carl Bailey	0.05	0.09	0.08	0.09	0.09	0.10	0.14	0.27	0.62
Cecil Lynch	0.10	0.18	0.16	0.17	0.18	0.21	0.29	0.55	1.26
Cecil Lynch IC	-	-	-	-	-	-	-	-	-
Dell Power Station Generator CT	0.06	0.09	0.08	0.09	0.09	0.10	0.12	0.16	0.23
Dell Power Station Generator ST	0.45	0.26	0.24	0.25	0.26	0.29	0.39	0.65	1.30
Elkins Generating Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Flint Creek	3.45	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
Fulton	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Hamilton Moses	-	0.03	0.02	0.03	0.03	0.05	0.10	0.31	0.96
Harry D. Mattison Gas Plant	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Harry L. Oswald CT	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.10
Harry L. Oswald ST	0.70	1.02	0.95	0.99	1.01	1.11	1.39	1.87	2.80
Harvey Couch	0.15	0.12	0.10	0.11	0.11	0.14	0.21	0.44	1.13
Hot Spring Power Project CT	0.16	0.19	0.18	0.18	0.19	0.20	0.25	0.32	0.41
Hot Spring Power Project ST	1.25	1.49	1.39	1.44	1.47	1.61	2.00	2.61	3.08
Independence	19.55	19.78	20.56	20.25	20.36	20.59	20.59	20.59	20.59
John W Turk	-	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83
Jonesboro City Water & Light Plant	0.01	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05
KGen Hot Spring Generating Facility CT	0.06	0.09	0.08	0.08	0.08	0.09	0.12	0.15	0.22
KGen Hot Spring Generating Facility ST	0.65	0.86	0.81	0.84	0.85	0.94	1.18	1.61	2.49
Lake Catherine	0.15	0.41	0.38	0.40	0.41	0.45	0.57	0.79	1.26
Mabelvale	-	-	-	-	-	-	-	-	-
McClellan	0.20	0.27	0.25	0.26	0.27	0.30	0.38	0.55	0.80
Municipal Light	-	-	-	-	-	-	-	-	-
Osceola	-	-	-	-	-	-	-	-	-
Paragould Reciprocating	-	-	-	-	-	-	-	-	-
Paragould Turbine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pine Bluff Energy Center	0.44	0.66	0.62	0.64	0.65	0.66	0.66	0.66	0.66
Pine Bluff Energy Center CT	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Consumption in MGD

High Growth Scenario

Plant Name	2010	2015	2020	2025	2030	2035	2040	2045	2050
Plum Point Energy Station	2.67	8.28	8.60	8.48	8.52	8.62	8.62	8.62	8.62
Robert E Ritchie	-	0.01	0.01	0.01	0.01	0.02	0.04	0.10	0.10
Thomas Fitzhugh CT	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Thomas Fitzhugh ST	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
Two Pine Landfill Gas Recovery	-	-	-	-	-	-	-	-	-
Union Power Partners LP CT	0.54	0.84	0.78	0.81	0.83	0.90	1.10	1.18	1.18
Union Power Partners LP ST	4.71	7.34	6.88	7.12	7.26	7.89	9.68	12.00	12.00
Waste Management Eco Vista LFGTE	-	-	-	-	-	-	-	-	-
White Bluff	18.01	18.04	18.75	18.47	18.56	18.78	18.78	18.78	18.78
SUM	**81.37**	**99.40**	**100.27**	**100.06**	**100.61**	**102.39**	**105.98**	**111.62**	**117.97**

Thermoelectric Power Demand by County in MGD - Withdrawals

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Benton	344.58	289.55	311.48	360.42	373.66	376.40	376.40	376.40	376.40
Clay	-	-	-	-	-	-	-	-	-
Craighead	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
Franklin	2.01	2.83	2.97	2.79	2.93	3.05	3.32	3.61	3.93
Greene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hempstead	0.01	6.85	6.85	6.85	6.85	6.85	6.85	6.85	6.86
Hot Spring	16.86	43.62	40.30	41.86	40.67	43.39	44.51	45.66	46.83
Independence	19.55	19.66	20.40	20.13	20.23	20.23	20.23	20.23	20.23
Jefferson	18.59	18.74	19.37	19.14	19.22	19.25	19.25	19.25	19.25
Lafayette	0.15	0.12	0.10	0.11	0.10	0.12	0.12	0.13	0.13
Mississippi	3.18	8.58	8.86	8.76	8.79	8.81	8.83	8.84	8.85
Ouachita	20.39	27.21	25.06	26.07	25.30	27.06	27.79	28.55	29.31
Phillips	-	1.46	1.01	1.22	1.06	1.43	1.61	1.81	2.00
Pope	741.36	822.31	822.31	822.31	822.31	822.31	822.31	822.31	822.31
Pulaski	0.81	1.22	1.13	1.17	1.14	1.22	1.25	1.28	1.32
St Francis	-	0.03	0.02	0.03	0.02	0.03	0.04	0.04	0.05
Union	5.25	8.16	7.61	7.87	7.67	8.12	8.30	8.48	8.67
Washington	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Woodruff	4.43	7.81	6.95	7.35	7.04	7.75	8.06	8.39	8.72
TOTAL	**1,177.20**	**1,258.21**	**1,274.46**	**1,326.12**	**1,337.04**	**1,346.07**	**1,348.93**	**1,351.89**	**1,354.92**

Thermoelectric Power Demand by County in MGD - Consumptive

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Benton	3.45	2.90	3.11	3.60	3.74	3.76	3.76	3.76	3.76
Clay	-	-	-	-	-	-	-	-	-
Craighead	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
Franklin	0.03	0.04	0.05	0.04	0.05	0.05	0.05	0.06	0.06
Greene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hempstead	0.01	6.85	6.85	6.85	6.85	6.85	6.85	6.85	6.86
Hot Spring	2.28	3.03	2.81	2.91	2.83	3.01	3.09	3.16	3.24
Independence	19.55	19.66	20.40	20.13	20.23	20.23	20.23	20.23	20.23
Jefferson	18.59	18.74	19.37	19.14	19.22	19.25	19.25	19.25	19.25
Lafayette	0.15	0.12	0.10	0.11	0.10	0.12	0.12	0.13	0.13
Mississippi	3.18	8.58	8.86	8.76	8.79	8.81	8.83	8.84	8.85
Ouachita	0.20	0.27	0.25	0.26	0.25	0.27	0.28	0.29	0.29
Phillips	-	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Pope	27.79	28.24	28.24	28.24	28.24	28.24	28.24	28.24	28.24
Pulaski	0.81	1.22	1.13	1.17	1.14	1.22	1.25	1.28	1.32
St Francis	-	0.03	0.02	0.03	0.02	0.03	0.04	0.04	0.05
Union	5.25	8.16	7.61	7.87	7.67	8.12	8.30	8.48	8.67
Washington	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Woodruff	0.05	0.09	0.08	0.08	0.08	0.09	0.09	0.10	0.10
TOTAL	**81.37**	**98.00**	**98.94**	**99.25**	**99.27**	**100.12**	**100.45**	**100.79**	**101.13**

Appendix I

Crop Irrigation Water Demand by County

Base Period Irrigated Acres by County and Crop Type

County	Rice	Soybeans	Cotton	Corn	Other	Total
ARKANSAS	128,000	170,000	0	7,825	40,873	346,698
ASHLEY	19,900	37,000	41,637	13,604	785	112,926
CALHOUN	0	0	0	0	63	63
CHICOT	54,800	91,100	29,240	14,179	3,189	192,508
CLARK	1,170	1,315	0	0	300	2,785
CLAY	90,200	80,000	22,727	17,588	275	210,790
CONWAY	1,064	7,100	0	250	1,335	9,749
CRAIGHEAD	90,800	94,000	64,648	16,406	800	266,654
CRAWFORD	0	845	0	705	642	2,192
CRITTENDEN	52,600	103,000	15,277	4,473	3,410	178,760
CROSS	98,100	130,500	4,593	5,087	4,211	242,491
DESHA	53,500	121,000	57,158	12,900	5,251	249,808
DREW	15,600	30,500	11,100	6,283	125	63,608
FAULKNER	2,800	280	0	368	5	3,453
FRANKLIN	0	0	0	0	105	105
GREENE	95,000	50,000	8,725	9,127	281	163,133
HOT SPRING	860	660	0	1,000	400	2,920
INDEPENDENCE	16,300	17,000	0	3,593	813	37,706
JACKSON	118,000	102,500	437	7,472	1,306	229,715
JEFFERSON	83,300	101,000	5,102	19,997	2,869	212,268
JOHNSON	0	620	0	190	10	820
LAFAYETTE	1,507	4,685	1,319	6,460	639	14,610
LAWRENCE	114,000	47,000	0	2,100	935	164,035
LEE	38,800	72,500	48,215	14,381	1,284	175,180
LINCOLN	34,900	74,400	18,148	8,601	1,327	137,376
LITTLE RIVER	0	2,745	0	3,850	-	6,595
LOGAN	0	189	0	245	-	434
LONOKE	88,000	108,000	6,023	21,712	3,506	227,241
MADISON	0	0	0	0	120	120
MILLER	3,409	2,172	0	2,387	-	7,968
MISSISSIPPI	54,000	150,000	87,119	12,438	2,786	306,343
MONROE	68,200	91,000	7,609	14,246	693	181,748
MONTGOMERY	0	0	0	0	12	12
PERRY	0	0	0	0	40	40
PHILLIPS	46,500	117,000	24,199	14,656	2,344	204,699
POINSETT	144,500	147,000	26,004	8,335	2,019	327,857
POLK	0	0	0	0	270	270
POPE	0	0	0	0	161	161
PRAIRIE	73,400	105,000	731	6,905	1,636	187,672
PULASKI	5,600	13,500	85	4,600	1,786	25,571
RANDOLPH	40,700	25,000	0	4,603	608	70,911
SALINE	0	0	0	0	241	241
SCOTT	0	0	0	0	160	160
SEVIER	0	0	0	0	6	6
SHARP	0	0	0	0	40	40
ST. FRANCIS	56,000	100,000	23,744	4,268	1,641	185,653
WASHINGTON	0	0	0	0	101	101
WHITE	21,500	27,500	0	1,325	725	51,050
WOODRUFF	67,400	109,000	4,770	10,178	3,189	194,537
TOTAL	**1,780,410**	**2,335,111**	**508,610**	**282,334**	**93,316**	**4,999,780**

Crop Application Rates by Crop, County and Month

County	Crop	Average Monthly Application Rate in Inches/Acre												Total (inches/Acre)	Total (AF/Acre)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Arkansas	Berries	0.0	0.0	0.0	0.0	4.2	4.2	4.2	4.2	0.0	0.0	0.0	0.0	16.7	1.4
Benton	Berries	1.5	1.5	2.1	2.7	2.7	3.0	3.0	3.0	3.0	2.7	1.8	1.5	28.5	2.4
Boone	Berries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.9	0.0	0.0	0.0	6.9	0.6
Jackson	Berries	0.0	0.0	0.0	2.1	5.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	15.9	1.3
Johnson	Berries	0.0	0.0	0.1	0.7	0.2	0.7	0.8	1.4	0.8	0.1	0.0	0.0	4.9	0.4
Washington	Berries	0.0	0.0	0.0	0.2	0.3	0.8	1.5	1.3	1.3	0.5	0.1	0.0	5.9	0.5
White	Berries	0.0	0.0	0.0	0.0	4.0	7.6	7.6	5.3	3.6	3.6	0.0	0.0	31.7	2.6
Craighead	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	11.9	12.2	11.9	0.0	0.0	0.0	0.0	36.0	3.0
Crawford	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	0.0	0.0	0.0	0.0	1.3	0.1
Jackson	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	2.5	1.0	4.7	2.4	0.0	0.0	0.0	0.0	10.6	0.9
Lee	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lincoln	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	4.2	4.2	4.2	4.2	0.0	0.0	0.0	16.8	1.4
Lonoke	Cash Grain - Not Classified	0.0	0.0	0.0	1.2	1.2	1.2	3.6	3.6	1.2	0.0	0.0	0.0	12.0	1.0
Mississippi	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	2.9	3.0	2.9	0.0	0.0	0.0	0.0	8.9	0.7
Monroe	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	0.0	0.0	0.0	0.0	8.0	0.7
Polk	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	0.0	0.0	0.0	0.0	12.0	1.0
Prairie	Cash Grain - Not Classified	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.3
Arkansas	Corn for Grain	0.0	0.0	0.0	0.3	8.4	9.3	9.1	2.2	0.2	0.0	0.0	0.0	29.6	2.5
Ashley	Corn for Grain	0.0	0.0	0.0	0.0	0.7	4.2	4.6	2.4	0.0	0.0	0.0	0.0	11.8	1.0
Carroll	Corn for Grain	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	6.0	3.0	0.0	0.0	21.0	1.8
Chicot	Corn for Grain	0.0	0.0	0.0	0.0	0.4	5.2	5.0	0.6	0.0	0.0	0.0	0.0	11.3	0.9
Clark	Corn for Grain	0.0	0.0	0.0	0.0	0.0	0.0	8.0	4.0	0.0	0.0	0.0	0.0	12.0	1.0
Clay	Corn for Grain	0.0	0.0	0.0	0.0	1.8	10.0	10.0	8.6	0.2	0.0	0.0	0.0	30.6	2.5
Conway	Corn for Grain	0.0	0.0	0.0	0.0	0.0	3.2	3.3	1.3	0.5	0.0	0.0	0.0	8.3	0.7
Craighead	Corn for Grain	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Crawford	Corn for Grain	0.0	0.0	0.0	0.0	0.0	0.4	1.5	1.0	0.0	0.0	0.0	0.0	2.8	0.2
Crittenden	Corn for Grain	0.0	0.0	0.0	0.0	1.7	5.1	5.1	2.1	0.0	0.0	0.0	0.0	14.0	1.2
Cross	Corn for Grain	0.0	0.0	0.0	0.4	3.2	10.4	9.1	4.5	0.7	0.0	0.0	0.0	28.5	2.4
Desha	Corn for Grain	0.0	0.0	0.0	0.9	2.9	5.4	6.1	2.7	0.1	0.0	0.0	0.0	18.0	1.5
Drew	Corn for Grain	0.0	0.0	0.0	0.0	0.4	3.6	3.9	3.1	0.0	0.0	0.0	0.0	11.1	0.9
Faulkner	Corn for Grain	0.0	0.0	0.0	0.0	1.4	3.1	4.9	4.1	2.2	0.0	0.0	0.0	15.8	1.3
Greene	Corn for Grain	0.0	0.0	0.0	0.0	5.6	6.3	3.7	2.9	0.0	0.0	0.0	0.0	18.5	1.5
Independence	Corn for Grain	0.0	0.0	0.0	0.7	2.4	4.3	5.3	1.9	0.1	0.0	0.0	0.0	14.6	1.2
Jackson	Corn for Grain	0.0	0.0	0.0	0.0	4.4	7.0	4.3	1.6	0.1	0.1	0.0	0.0	17.4	1.5
Jefferson	Corn for Grain	0.0	0.0	0.0	0.2	1.2	6.5	7.0	5.3	0.4	0.0	0.0	0.0	20.6	1.7
Johnson	Corn for Grain	0.0	0.0	0.0	0.0	0.0	0.4	1.4	0.9	0.0	0.0	0.0	0.0	2.6	0.2
Lafayette	Corn for Grain	0.0	0.0	0.1	0.6	1.2	4.7	4.8	2.2	0.1	0.0	0.0	0.0	13.8	1.1
Lawrence	Corn for Grain	0.0	0.0	0.0	0.0	0.8	5.5	6.8	2.1	0.0	0.0	0.0	0.0	15.2	1.3
Lee	Corn for Grain	0.0	0.0	0.0	0.1	1.2	6.6	7.5	4.1	0.1	0.0	0.0	0.0	19.5	1.6
Lincoln	Corn for Grain	0.0	0.0	0.0	1.0	2.4	5.9	6.7	5.9	3.3	0.0	0.0	0.0	25.3	2.1
Little River	Corn for Grain	0.0	0.0	0.0	0.0	1.8	5.9	5.8	0.0	0.0	0.0	0.0	0.0	13.4	1.1
Logan	Corn for Grain	0.0	0.0	0.0	0.0	0.3	1.5	2.7	1.2	0.4	0.0	0.0	0.0	6.1	0.5
Lonoke	Corn for Grain	0.0	0.0	0.0	0.0	0.2	5.7	6.5	3.0	0.0	0.0	0.0	0.0	15.5	1.3
Miller	Corn for Grain	0.0	0.1	0.1	0.1	0.1	3.2	3.3	3.4	0.1	0.0	0.0	0.0	10.3	0.9
Mississippi	Corn for Grain	0.0	0.0	0.0	0.0	0.0	4.6	4.7	4.6	0.0	0.0	0.0	0.0	13.9	1.2
Monroe	Corn for Grain	0.0	0.0	0.0	0.0	2.3	6.8	9.4	5.7	0.0	0.0	0.0	0.0	24.3	2.0
Phillips	Corn for Grain	0.0	0.0	0.0	0.0	1.1	4.1	6.4	2.4	0.0	0.0	0.0	0.0	13.9	1.2

Crop Application Rates by Crop, County and Month

County	Crop	Average Monthly Application Rate in Inches/Acre												Total (inches/Acre)	Total (AF/Acre)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Poinsett	Corn for Grain	0.0	0.0	0.0	0.0	0.9	10.3	9.7	5.4	0.0	0.0	0.0	0.0	26.3	2.2
Prairie	Corn for Grain	0.0	0.0	0.0	0.0	3.0	7.2	7.4	2.1	0.2	0.0	0.0	0.0	19.9	1.7
Pulaski	Corn for Grain	0.0	0.0	0.0	0.0	0.4	4.3	3.4	3.6	0.3	0.0	0.0	0.0	12.0	1.0
Randolph	Corn for Grain	0.0	0.0	0.0	0.0	0.1	12.5	12.5	0.9	0.1	0.0	0.0	0.0	26.0	2.2
St Francis	Corn for Grain	0.0	0.0	0.0	0.0	1.4	7.2	8.2	4.7	0.5	0.0	0.0	0.0	22.0	1.8
Stone	Corn for Grain	0.0	0.0	0.0	0.0	0.0	0.0	7.6	7.6	0.0	0.0	0.0	0.0	15.1	1.3
White	Corn for Grain	0.0	0.0	0.0	0.0	4.5	8.1	5.8	1.3	0.6	0.1	0.0	0.0	20.5	1.7
Woodruff	Corn for Grain	0.0	0.0	0.0	0.0	0.5	2.8	4.3	2.1	0.2	0.2	0.0	0.0	10.1	0.8
Arkansas	Cotton	0.0	0.0	0.0	0.0	4.0	6.4	6.4	3.8	0.0	0.0	0.0	0.0	20.5	1.7
Ashley	Cotton	0.0	0.0	0.0	0.0	0.1	4.0	5.1	4.5	0.1	0.0	0.0	0.0	13.7	1.1
Chicot	Cotton	0.0	0.0	0.0	0.0	0.0	0.8	6.4	5.4	0.0	0.0	0.0	0.0	12.7	1.1
Clay	Cotton	0.0	0.0	0.0	0.0	0.3	8.4	10.0	10.1	1.2	0.3	0.0	0.0	30.2	2.5
Craighead	Cotton	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.1	1.0
Crittenden	Cotton	0.0	0.0	0.0	0.0	1.3	5.7	6.1	2.5	0.0	0.0	0.0	0.0	15.6	1.3
Cross	Cotton	0.0	0.0	0.0	0.1	1.2	9.2	7.7	2.6	0.1	0.0	0.0	0.0	20.9	1.7
Desha	Cotton	0.0	0.0	0.0	0.0	0.1	3.9	7.6	6.6	0.3	0.0	0.0	0.0	18.4	1.5
Drew	Cotton	0.0	0.0	0.0	0.0	0.0	3.7	4.3	3.9	0.2	0.1	0.0	0.0	12.1	1.0
Greene	Cotton	0.0	0.0	0.0	0.0	2.6	3.7	6.3	5.3	0.0	0.0	0.0	0.0	18.0	1.5
Independence	Cotton	0.0	0.0	0.0	0.0	2.3	4.3	5.8	4.3	0.0	0.0	0.0	0.0	16.6	1.4
Jackson	Cotton	0.0	0.0	0.2	0.2	1.8	3.7	5.5	2.7	0.6	0.2	0.0	0.0	15.1	1.3
Jefferson	Cotton	0.0	0.0	0.0	0.1	1.2	5.1	7.4	6.4	0.8	0.0	0.0	0.0	21.1	1.8
Lafayette	Cotton	0.0	0.0	0.0	0.3	0.7	3.0	6.1	4.2	0.4	0.0	0.0	0.0	14.8	1.2
Lawrence	Cotton	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	6.0	0.5
Lee	Cotton	0.0	0.0	0.0	0.0	0.2	4.8	7.0	4.9	0.0	0.0	0.0	0.0	17.0	1.4
Lincoln	Cotton	0.0	0.0	0.0	0.0	0.9	4.6	5.3	6.6	3.2	0.0	0.0	0.0	20.6	1.7
Lonoke	Cotton	0.0	0.0	0.0	0.0	0.0	1.2	6.7	6.5	0.0	0.0	0.0	0.0	14.5	1.2
Miller	Cotton	0.0	0.0	0.0	0.0	0.1	2.3	3.5	1.9	0.0	0.0	0.0	0.0	7.8	0.7
Mississippi	Cotton	0.0	0.0	0.0	0.0	0.0	3.5	3.6	3.5	0.0	0.0	0.0	0.0	10.6	0.9
Monroe	Cotton	0.0	0.0	0.0	0.0	0.4	2.6	6.1	6.6	2.4	0.0	0.0	0.0	18.2	1.5
Phillips	Cotton	0.0	0.0	0.0	0.0	0.4	2.8	6.8	3.5	0.0	0.0	0.0	0.0	13.5	1.1
Poinsett	Cotton	0.0	0.0	0.0	0.0	0.2	7.3	6.7	3.6	0.0	0.0	0.0	0.0	17.8	1.5
Prairie	Cotton	0.0	0.0	0.0	0.0	0.9	2.1	5.0	3.2	0.0	0.0	0.0	0.0	11.1	0.9
Pulaski	Cotton	0.0	0.0	0.0	0.0	0.0	1.6	6.0	5.7	0.0	0.0	0.0	0.0	13.3	1.1
St Francis	Cotton	0.0	0.0	0.0	0.0	0.2	2.4	6.4	5.5	0.5	0.0	0.0	0.0	14.9	1.2
Woodruff	Cotton	0.0	0.0	0.0	0.0	0.2	2.0	4.4	2.7	0.2	0.3	0.0	0.0	9.8	0.8
Arkansas	Crop Maintenance	0.8	0.8	0.4	0.6	3.1	4.0	4.2	3.4	1.4	0.7	0.6	0.8	20.9	1.7
Chicot	Crop Maintenance	0.0	0.0	0.0	0.7	5.5	7.3	7.0	5.3	0.0	0.0	0.0	0.0	25.8	2.2
Clay	Crop Maintenance	0.0	0.0	0.0	1.2	2.4	2.4	2.4	2.4	1.2	0.0	0.0	0.0	12.0	1.0
Conway	Crop Maintenance	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	3.0	3.0	3.0	3.0	16.0	1.3
Crittenden	Crop Maintenance	0.0	0.0	0.0	0.0	0.0	4.0	4.1	4.0	0.0	0.0	0.0	0.0	12.0	1.0
Cross	Crop Maintenance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Desha	Crop Maintenance	0.0	0.0	9.1	9.1	9.1	11.8	26.8	19.0	0.0	0.0	0.0	0.0	84.9	7.1
Franklin	Crop Maintenance	0.0	0.0	0.0	0.0	0.0	2.3	4.6	4.6	3.5	0.0	0.0	0.0	15.0	1.3
Independence	Crop Maintenance	0.0	0.0	0.0	0.0	6.8	13.5	13.5	13.5	6.8	0.0	0.0	0.0	54.0	4.5
Lee	Crop Maintenance	0.0	0.0	0.0	0.0	0.0	3.4	11.7	3.2	0.0	0.0	0.0	0.0	18.3	1.5
Lonoke	Crop Maintenance	1.7	1.7	1.7	1.6	1.2	1.8	4.4	3.0	1.0	2.2	2.3	1.7	24.6	2.0
Miller	Crop Maintenance	0.0	0.0	0.0	0.0	9.0	9.0	9.0	9.0	0.0	0.0	0.0	0.0	36.0	3.0

Crop Application Rates by Crop, County and Month

County	Crop	Average Monthly Application Rate in Inches/Acre												Total (inches/Acre)	Total (AF/Acre)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Mississippi	Crop Maintenance	0.0	0.0	0.0	0.0	0.0	3.0	3.1	3.0	0.0	0.0	0.0	0.0	9.1	0.8
Phillips	Crop Maintenance	0.0	0.0	0.0	0.0	3.1	3.9	5.5	0.8	0.0	0.0	0.0	0.0	13.2	1.1
Poinsett	Crop Maintenance	0.0	0.0	0.0	0.0	0.0	10.5	1.5	0.0	38.3	0.0	38.3	0.0	88.6	7.4
Polk	Crop Maintenance	0.0	1.8	3.2	3.2	3.2	3.2	1.4	1.4	0.9	0.0	0.0	0.0	18.0	1.5
Pope	Crop Maintenance	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	0.0	0.0	24.0	2.0
Prairie	Crop Maintenance	0.0	1.4	7.3	1.7	1.7	0.8	0.8	0.8	0.8	15.1	7.3	7.2	44.9	3.7
Pulaski	Crop Maintenance	0.0	0.0	0.2	2.0	10.7	9.2	0.2	0.3	0.3	0.3	0.1	0.0	23.5	2.0
Sevier	Crop Maintenance	1.6	0.5	0.6	0.8	0.8	1.2	1.4	1.2	1.3	0.9	0.9	0.9	12.0	1.0
Woodruff	Crop Maintenance	0.0	0.0	0.0	0.0	0.8	0.8	3.8	0.8	0.0	0.0	0.0	0.0	6.0	0.5
Clay	Fruit & Nut Trees	0.0	0.0	0.0	0.0	0.0	5.9	11.2	11.4	5.3	5.3	0.0	0.0	39.0	3.2
Conway	Fruit & Nut Trees	0.0	0.0	0.0	0.8	3.2	6.7	8.7	9.1	6.7	5.8	0.0	0.0	40.9	3.4
Craighead	Fruit & Nut Trees	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Greene	Fruit & Nut Trees	0.0	0.0	0.0	0.0	3.0	3.0	4.8	4.8	0.0	0.0	0.0	0.0	15.6	1.3
Jackson	Fruit & Nut Trees	0.0	0.0	0.0	0.0	1.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	2.4	0.2
Johnson	Fruit & Nut Trees	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.4	0.1	0.0	0.0	0.0	6.7	0.6
Lonoke	Fruit & Nut Trees	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phillips	Fruit & Nut Trees	0.0	0.0	0.3	1.2	3.7	4.6	3.3	0.4	0.0	0.0	0.0	0.0	13.5	1.1
Polk	Fruit & Nut Trees	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.3	0.0	0.0	0.0	9.5	0.8
Pulaski	Fruit & Nut Trees	0.0	0.0	0.0	0.0	2.1	4.1	2.4	3.3	1.0	0.3	0.0	0.0	13.2	1.1
Washington	Fruit & Nut Trees	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0
White	Fruit & Nut Trees	0.0	0.0	0.0	0.0	1.2	2.4	3.5	3.5	1.8	1.2	0.0	0.0	13.6	1.1
Arkansas	Hay - All Feed Grass	0.0	0.0	0.0	0.0	2.7	4.1	4.5	3.7	0.7	0.0	0.0	0.0	15.7	1.3
Benton	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.2	0.0	0.0	1.0	0.1
Bradley	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.6	0.1
Carroll	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.0	2.2	0.2
Chicot	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.6	3.9	5.7	2.4	0.0	0.0	0.0	0.0	12.6	1.1
Clark	Hay - All Feed Grass	0.0	0.0	0.0	0.0	1.1	1.1	2.9	3.9	1.6	0.0	0.0	0.0	10.5	0.9
Clay	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	10.1	11.5	11.7	1.6	0.0	0.0	0.0	34.9	2.9
Cleburne	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	6.0	0.5
Columbia	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	6.0	12.0	6.0	0.0	0.0	0.0	0.0	24.0	2.0
Conway	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	18.0	1.5
Craighead	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.5	0.0	0.0	0.0	0.0	10.3	0.9
Crawford	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.7	5.3	7.1	6.1	2.3	0.0	0.0	0.0	21.5	1.8
Crittenden	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.6	13.4	13.8	13.1	0.0	0.0	0.0	0.0	40.8	3.4
Cross	Hay - All Feed Grass	0.0	0.0	0.0	0.0	3.0	11.7	13.0	5.3	0.3	0.0	0.0	0.0	33.3	2.8
Desha	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	3.4	8.7	8.6	0.9	0.0	0.0	0.0	21.7	1.8
Drew	Hay - All Feed Grass	0.0	0.0	0.0	0.0	1.1	3.7	2.8	2.9	0.2	0.0	0.0	0.0	10.5	0.9
Faulkner	Hay - All Feed Grass	0.0	0.0	0.0	0.0	3.6	4.6	5.1	5.1	4.9	0.9	0.0	0.0	24.2	2.0
Fulton	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.6	0.0	0.0	0.0	0.0	6.0	0.5
Greene	Hay - All Feed Grass	0.0	0.0	0.0	0.0	4.4	7.5	6.4	3.3	0.0	0.0	0.0	0.0	21.6	1.8
Hot Spring	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10.5	3.2	0.0	0.0	0.0	18.6	1.5
Howard	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Independence	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.6	2.2	5.6	3.4	0.8	0.0	0.0	0.0	12.6	1.0
Jackson	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.3	9.6	4.9	2.4	0.2	0.2	0.0	0.0	17.5	1.5
Jefferson	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.9	2.5	7.5	7.2	0.0	0.0	0.0	0.0	18.1	1.5
Lafayette	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	1.7	7.1	6.7	2.9	0.0	0.0	0.0	18.4	1.5
Lawrence	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.8	5.9	4.1	2.7	0.2	0.2	0.0	0.0	13.9	1.2

Crop Application Rates by Crop, County and Month

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		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Lee	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.9	3.2	2.6	2.9	0.2	0.1	0.0	0.0	9.8	0.8
Lincoln	Hay - All Feed Grass	0.0	0.0	0.0	0.0	2.4	5.8	9.5	7.1	2.0	0.0	0.0	0.0	26.8	2.2
Lonoke	Hay - All Feed Grass	0.0	0.0	0.0	0.2	0.5	3.0	3.8	3.9	0.9	0.1	0.0	0.0	12.4	1.0
Madison	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.4	0.0	0.0	0.0	4.3	0.4
Miller	Hay - All Feed Grass	0.0	0.0	0.0	0.0	4.3	4.7	4.7	4.6	0.0	0.0	0.0	0.0	18.3	1.5
Mississippi	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	4.7	4.8	4.8	0.0	0.0	0.0	0.0	14.4	1.2
Monroe	Hay - All Feed Grass	0.0	0.0	0.0	0.3	0.7	1.7	3.7	4.0	1.3	0.1	0.1	0.0	12.0	1.0
Montgomery	Hay - All Feed Grass	0.0	0.0	0.0	0.1	0.3	0.7	1.0	1.0	0.9	0.2	0.0	0.0	4.1	0.3
Newton	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	1.2	2.1	2.4	1.2	0.0	0.0	0.0	6.9	0.6
Perry	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	2.7	4.7	4.9	2.1	0.0	0.0	0.0	14.4	1.2
Phillips	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	3.2	4.4	4.4	0.0	0.0	0.0	0.0	12.0	1.0
Pike	Hay - All Feed Grass	0.0	0.0	0.0	0.3	0.3	0.3	1.1	0.8	1.2	0.3	0.0	0.0	4.3	0.4
Poinsett	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.8	6.4	4.7	1.7	0.0	0.0	0.0	0.0	13.5	1.1
Polk	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.3	0.7	2.6	3.0	1.5	0.3	0.0	0.0	8.4	0.7
Pope	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.9	1.0	1.5	1.5	0.9	0.0	0.0	0.0	5.8	0.5
Prairie	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.8	1.9	0.0	0.0	0.0	6.6	0.6
Pulaski	Hay - All Feed Grass	0.0	0.0	0.0	0.0	1.0	3.4	2.9	3.3	0.7	0.3	0.0	0.0	11.6	1.0
Randolph	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	3.0	4.6	1.6	0.0	0.0	0.0	0.0	9.2	0.8
Saline	Hay - All Feed Grass	0.3	0.2	7.2	14.2	15.0	16.0	18.5	19.5	17.3	0.3	0.3	0.3	109.2	9.1
Sevier	Hay - All Feed Grass	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1	0.1
Sharp	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.0	1.2	4.5	1.9	1.0	0.0	0.0	0.0	8.6	0.7
St Francis	Hay - All Feed Grass	0.0	0.0	0.0	0.9	5.4	11.6	15.4	16.0	1.4	0.8	1.5	1.1	54.0	4.5
Washington	Hay - All Feed Grass	0.2	0.0	0.0	0.0	0.0	1.5	3.4	3.4	2.2	0.4	0.2	0.2	11.7	1.0
White	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.3	2.6	4.4	4.0	1.3	0.4	0.0	0.0	13.4	1.1
Woodruff	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.5	1.7	1.5	1.9	0.6	0.5	1.1	0.6	8.5	0.7
Yell	Hay - All Feed Grass	0.0	0.0	0.0	0.0	0.6	2.3	4.2	5.4	4.9	0.5	0.0	0.0	18.0	1.5
Arkansas	Milo	0.0	0.0	0.0	0.0	0.4	4.8	5.2	3.6	0.8	0.8	0.0	0.0	15.6	1.3
Ashley	Milo	0.0	0.0	0.0	0.0	0.6	3.7	4.4	2.6	0.0	0.0	0.0	0.0	11.3	0.9
Benton	Milo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chicot	Milo	0.0	0.0	0.0	0.1	1.3	3.1	4.2	2.1	0.0	0.0	0.0	0.0	10.8	0.9
Clay	Milo	0.0	0.0	0.0	0.0	1.4	9.0	8.6	6.8	0.0	0.0	0.0	0.0	25.8	2.1
Conway	Milo	0.0	0.0	0.0	0.0	0.0	1.2	2.6	1.6	0.5	0.0	0.0	0.0	5.9	0.5
Craighead	Milo	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Crittenden	Milo	0.0	0.0	0.0	0.0	0.7	5.7	5.9	2.8	0.2	0.0	0.0	0.0	15.3	1.3
Cross	Milo	0.0	0.0	0.0	0.1	2.6	10.2	7.6	3.2	0.1	0.0	0.0	0.0	23.8	2.0
Desha	Milo	0.7	0.4	0.4	0.6	2.0	4.5	8.5	6.4	0.9	0.9	0.0	0.0	25.3	2.1
Drew	Milo	0.0	0.0	0.0	0.0	0.2	3.7	3.7	3.0	0.0	0.0	0.0	0.0	10.7	0.9
Greene	Milo	0.0	0.0	0.0	0.0	2.2	4.5	6.1	5.5	0.0	0.0	0.0	0.0	18.4	1.5
Independence	Milo	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.0	2.0	0.0	0.0	0.0	10.0	0.8
Jackson	Milo	0.0	0.0	0.0	0.0	0.7	3.6	5.0	2.6	0.0	0.0	0.0	0.0	12.0	1.0
Jefferson	Milo	0.0	0.0	0.0	0.0	0.7	2.4	5.9	3.5	0.3	0.0	0.0	0.0	12.6	1.1
Lafayette	Milo	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0	0.0	0.0	0.0	3.0	0.3
Lawrence	Milo	0.0	0.0	0.0	0.1	0.6	3.2	5.0	3.2	0.0	0.0	0.0	0.0	12.2	1.0
Lee	Milo	0.0	0.0	0.0	0.0	0.5	4.4	5.5	3.3	0.0	0.0	0.0	0.0	13.7	1.1
Lincoln	Milo	0.0	0.0	0.0	0.0	1.3	3.5	3.6	6.4	0.8	0.0	0.0	0.0	15.7	1.3
Lonoke	Milo	0.0	0.0	0.0	0.0	0.1	2.8	4.1	1.3	0.0	0.0	0.0	0.0	8.3	0.7
Miller	Milo	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	6.0	0.5

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Mississippi	Milo	0.0	0.0	0.0	0.0	0.0	1.8	1.9	1.8	0.0	0.0	0.0	0.0	5.5	0.5
Monroe	Milo	0.0	0.0	0.0	0.0	0.7	3.7	5.1	3.1	0.3	0.1	0.0	0.0	13.1	1.1
Phillips	Milo	0.0	0.0	0.0	0.0	0.8	4.2	5.7	1.9	0.0	0.0	0.0	0.0	12.6	1.0
Poinsett	Milo	0.0	0.0	0.0	0.0	0.0	8.1	7.0	0.5	0.0	0.0	0.0	0.0	15.6	1.3
Pope	Milo	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	0.0	0.0	0.0	0.0	6.5	0.5
Prairie	Milo	0.0	0.0	0.1	0.1	0.6	2.3	3.4	0.8	0.0	0.0	0.0	0.0	7.3	0.6
Pulaski	Milo	0.0	0.0	0.0	0.0	0.1	0.6	6.0	3.2	0.5	0.2	0.0	0.0	10.7	0.9
Randolph	Milo	0.0	0.0	0.0	0.0	0.1	4.7	4.7	0.1	0.0	0.0	0.0	0.0	9.6	0.8
St Francis	Milo	0.0	0.0	0.0	0.0	0.5	6.1	7.4	2.9	0.1	0.0	0.0	0.0	16.9	1.4
White	Milo	0.0	0.0	0.0	0.0	2.4	3.0	4.2	1.2	0.0	0.0	0.0	0.0	10.8	0.9
Woodruff	Milo	0.0	0.0	0.0	0.0	0.1	0.9	3.1	1.6	0.0	0.0	0.0	0.0	5.7	0.5
Franklin	Oats	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lee	Oats	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	12.0	1.0
Phillips	Oats	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Woodruff	Oats	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	6.0	0.5
Arkansas	Pastures & Lawns	0.0	0.0	0.0	0.0	2.7	4.2	5.3	4.9	0.9	0.0	0.0	0.0	17.9	1.5
Benton	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4	0.5	0.7	0.5	0.0	4.1	0.3
Boone	Pastures & Lawns	0.0	0.0	0.0	0.0	28.8	32.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	5.1
Chicot	Pastures & Lawns	0.0	0.0	0.0	0.0	0.6	2.1	5.4	3.9	0.0	0.0	0.0	0.0	12.0	1.0
Clay	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	11.9	11.9	12.2	0.0	0.0	0.0	0.0	36.0	3.0
Craighead	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Drew	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.6	4.2	0.0	1.2	0.0	0.0	0.0	6.0	0.5
Franklin	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.6	0.0	0.0	0.0	0.0	2.6	0.2
Hot Spring	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.0	12.0	6.0	0.0	0.0	0.0	0.0	18.0	1.5
Independence	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	6.0	12.0	6.0	0.0	0.0	0.0	0.0	24.0	2.0
Jackson	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.2
Lafayette	Pastures & Lawns	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.3	0.2
Lawrence	Pastures & Lawns	0.0	0.0	0.0	0.0	3.0	3.0	5.2	5.2	0.0	0.0	0.0	0.0	16.4	1.4
Lee	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.7	3.6	0.8	0.0	0.0	3.6	0.0	8.7	0.7
Lonoke	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	1.6	7.2	7.2	0.0	0.0	0.0	0.0	16.0	1.3
Madison	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	0.0	0.0	3.2	0.3
Mississippi	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	9.9	10.2	9.9	0.0	0.0	0.0	0.0	30.0	2.5
Montgomery	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.8	0.7	1.5	1.1	0.8	0.0	0.0	4.8	0.4
Phillips	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	5.0	6.3	2.2	0.0	0.0	0.0	0.0	13.5	1.1
Poinsett	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.2	0.0	0.0	0.0	0.0	7.2	0.6
Prairie	Pastures & Lawns	0.0	0.0	0.0	1.2	1.8	3.8	3.7	4.1	1.2	0.2	0.0	0.0	16.0	1.3
Sharp	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
Washington	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	12.0	1.0
Woodruff	Pastures & Lawns	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.3
Ashley	Peanuts	0.0	0.0	0.0	0.0	1.9	4.4	3.9	2.0	0.0	0.0	0.0	0.0	12.1	1.0
Clay	Peanuts	0.0	0.0	0.0	5.9	12.4	13.5	12.8	11.0	11.7	5.7	0.0	0.0	73.0	6.1
Conway	Peanuts	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.2	0.0	0.0	23.6	2.0
Craighead	Peanuts	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Crittenden	Peanuts	0.0	0.0	0.0	0.0	0.0	5.9	6.1	5.9	0.0	0.0	0.0	0.0	18.0	1.5
Desha	Peanuts	0.0	0.0	0.0	0.0	9.0	9.0	9.0	9.0	0.0	0.0	0.0	0.0	36.0	3.0
Greene	Peanuts	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	24.0	2.0
Jackson	Peanuts	0.0	0.0	2.0	2.0	2.0	4.4	6.4	2.0	2.0	2.0	0.0	0.0	22.8	1.9

Crop Application Rates by Crop, County and Month

County	Crop	Average Monthly Application Rate in Inches/Acre												Total (inches/Acre)	Total (AF/Acre)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Lawrence	Peanuts	0.0	0.0	0.0	0.0	0.0	0.0	7.5	7.5	0.0	0.0	0.0	0.0	15.0	1.3
Lonoke	Peanuts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phillips	Peanuts	0.0	0.0	0.0	2.8	2.8	2.8	2.8	0.8	0.0	0.0	0.0	0.0	12.0	1.0
Arkansas	Reservoirs for Crops	0.0	0.0	0.0	0.0	1.8	2.1	2.1	2.1	1.5	0.0	0.0	0.0	9.5	0.8
Chicot	Reservoirs for Crops	0.0	0.0	0.0	0.5	27.1	27.5	13.1	11.7	0.0	0.0	0.0	0.0	79.8	6.7
Clay	Reservoirs for Crops	0.0	0.0	0.0	0.0	0.0	16.3	15.8	15.8	0.0	0.0	0.0	0.0	48.0	4.0
Cross	Reservoirs for Crops	0.0	0.0	0.0	0.0	0.0	4.7	4.7	0.0	0.0	0.0	0.0	0.0	9.5	0.8
Drew	Reservoirs for Crops	0.0	0.0	0.0	0.0	9.0	9.0	9.0	9.0	0.0	0.0	0.0	0.0	36.0	3.0
Greene	Reservoirs for Crops	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	0.0	0.0	24.0	2.0
Jefferson	Reservoirs for Crops	0.2	0.2	3.4	3.7	4.8	5.1	4.8	5.0	3.6	3.5	5.8	0.2	40.1	3.3
Lafayette	Reservoirs for Crops	0.0	0.0	0.0	1.8	1.8	9.9	9.9	0.6	0.0	0.0	0.0	0.0	24.0	2.0
Lawrence	Reservoirs for Crops	0.0	0.0	0.0	5.6	7.4	7.4	7.4	1.8	0.0	0.0	0.0	0.0	29.6	2.5
Lee	Reservoirs for Crops	0.0	0.0	0.0	0.0	11.8	13.7	11.8	0.0	0.0	0.0	0.0	0.0	37.2	3.1
Lincoln	Reservoirs for Crops	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Lonoke	Reservoirs for Crops	4.9	7.6	7.3	4.4	2.6	3.6	0.6	1.6	0.9	4.1	4.5	3.3	45.4	3.8
Mississippi	Reservoirs for Crops	0.0	0.0	0.0	0.0	0.0	13.9	14.3	13.9	0.0	0.0	0.0	0.0	42.0	3.5
Poinsett	Reservoirs for Crops	0.0	0.0	6.3	11.5	5.3	9.2	4.3	3.1	0.0	0.0	6.2	0.0	45.9	3.8
Prairie	Reservoirs for Crops	0.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	1.0
Pulaski	Reservoirs for Crops	0.0	0.0	0.0	0.0	11.5	18.0	2.2	4.3	0.0	0.0	0.0	0.0	36.0	3.0
White	Reservoirs for Crops	0.0	0.0	0.0	0.0	0.0	11.9	11.9	12.2	0.0	0.0	0.0	0.0	36.0	3.0
Woodruff	Reservoirs for Crops	0.0	0.0	0.0	0.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	40.0	3.3
Arkansas	Rice	0.0	0.0	0.0	0.1	14.2	15.0	14.6	2.7	0.4	0.4	0.0	0.0	47.6	4.0
Ashley	Rice	0.0	0.0	0.0	0.1	7.0	8.8	9.5	8.3	0.1	0.0	0.0	0.0	33.7	2.8
Chicot	Rice	0.0	0.0	0.0	7.3	7.3	7.3	7.3	7.3	0.0	0.0	0.0	0.0	36.4	3.0
Clark	Rice	0.0	0.0	0.0	0.0	0.2	2.7	4.6	4.3	1.7	0.0	0.0	0.0	13.5	1.1
Clay	Rice	0.0	0.0	0.0	0.0	1.6	12.3	12.3	12.4	0.2	0.0	0.0	0.0	38.9	3.2
Cleburne	Rice	0.0	0.0	0.0	0.0	6.8	10.4	10.4	9.6	0.0	0.0	0.0	0.0	37.2	3.1
Cleveland	Rice	0.0	0.0	0.0	6.0	7.8	7.2	4.5	4.5	0.0	0.0	0.0	0.0	30.0	2.5
Conway	Rice	0.0	0.0	0.0	0.0	2.3	5.7	17.0	2.1	0.0	0.0	0.0	0.0	27.2	2.3
Craighead	Rice	0.0	0.0	0.0	0.0	8.9	9.0	9.0	9.0	0.0	0.0	0.0	0.0	35.9	3.0
Crittenden	Rice	0.0	0.0	0.0	0.0	8.5	10.5	10.6	9.3	0.0	0.0	0.0	0.0	38.9	3.2
Cross	Rice	0.0	0.0	0.0	0.0	5.4	13.2	11.4	6.5	0.1	0.0	0.0	0.0	36.5	3.0
Desha	Rice	0.0	0.0	0.0	0.2	9.1	9.4	9.4	9.1	0.1	0.0	0.0	0.0	37.2	3.1
Drew	Rice	0.0	0.0	0.0	0.2	5.7	8.8	9.2	6.9	0.4	0.0	0.0	0.0	31.3	2.6
Faulkner	Rice	0.0	0.2	0.2	0.0	2.2	9.0	5.0	6.4	6.3	0.0	0.0	0.0	29.3	2.4
Fulton	Rice	0.0	0.0	0.0	0.0	0.7	12.6	12.5	12.6	0.0	0.0	0.0	0.0	38.4	3.2
Greene	Rice	0.0	0.0	0.0	0.5	7.2	7.2	7.2	6.7	0.0	0.0	0.0	0.0	28.8	2.4
Independence	Rice	0.0	0.0	0.0	0.1	2.9	8.1	12.7	11.2	0.9	0.0	0.0	0.0	35.9	3.0
Jackson	Rice	0.0	0.0	0.0	0.0	0.1	11.8	11.9	11.8	0.0	0.0	0.0	0.0	35.7	3.0
Jefferson	Rice	0.0	0.0	0.0	2.9	6.4	8.2	6.7	5.6	1.2	0.1	0.0	0.0	31.2	2.6
Lafayette	Rice	0.0	0.0	0.2	2.8	5.4	6.5	7.2	3.5	0.2	0.0	0.0	0.0	25.8	2.2
Lawrence	Rice	0.0	0.0	0.0	2.4	9.1	9.1	9.1	6.7	0.0	0.0	0.0	0.0	36.5	3.0
Lee	Rice	0.0	0.0	0.0	0.0	5.7	10.4	11.4	8.4	0.1	0.0	0.0	0.0	36.0	3.0
Lincoln	Rice	0.0	0.0	0.0	1.0	9.3	9.4	8.4	7.9	1.3	0.0	0.0	0.0	37.4	3.1
Little River	Rice	0.0	0.0	0.0	0.0	0.0	10.0	14.0	12.0	0.0	0.0	0.0	0.0	36.0	3.0
Lonoke	Rice	0.0	0.0	0.0	0.1	4.0	8.2	13.4	10.7	0.1	0.4	0.0	0.0	36.8	3.1
Miller	Rice	0.0	0.0	0.0	0.4	0.6	14.8	14.4	14.1	0.0	0.0	0.0	0.0	44.3	3.7

Crop Application Rates by Crop, County and Month

County	Crop	Average Monthly Application Rate in Inches/Acre												Total (inches/Acre)	Total (AF/Acre)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Mississippi	Rice	0.0	0.0	0.0	0.0	0.0	11.6	11.9	11.6	0.0	0.0	0.0	0.0	35.1	2.9
Monroe	Rice	0.0	0.0	0.0	0.0	3.9	8.0	12.1	10.5	1.8	0.0	0.0	0.0	36.3	3.0
Perry	Rice	0.0	0.0	0.0	0.5	6.4	8.4	8.7	8.4	4.2	0.0	0.0	0.0	36.5	3.0
Phillips	Rice	0.0	0.0	0.0	0.0	13.9	10.9	9.6	1.3	0.0	0.0	0.0	0.0	35.7	3.0
Poinsett	Rice	0.0	0.0	0.0	0.0	8.6	13.2	11.8	5.5	0.0	0.0	0.0	0.0	39.1	3.3
Pope	Rice	0.0	0.0	0.0	0.0	4.8	7.4	7.4	5.6	0.0	0.0	0.0	0.0	25.3	2.1
Prairie	Rice	0.0	0.0	0.0	0.0	4.2	6.4	10.2	8.8	0.0	0.0	0.0	0.0	29.7	2.5
Pulaski	Rice	0.0	0.0	0.0	0.5	5.0	10.4	8.7	9.3	1.6	0.1	0.0	0.0	35.7	3.0
Randolph	Rice	0.0	0.0	0.0	0.0	8.9	8.9	8.9	8.9	0.0	0.0	0.0	0.0	35.6	3.0
Sharp	Rice	0.0	0.0	1.5	1.9	3.3	12.1	9.9	10.0	0.0	0.0	0.0	0.0	38.6	3.2
St Francis	Rice	0.0	0.0	0.0	0.0	5.3	13.0	17.1	10.7	0.5	0.0	0.0	0.0	46.6	3.9
Stone	Rice	0.0	0.0	0.0	1.1	10.3	10.3	10.3	9.1	0.0	0.0	0.0	0.0	41.0	3.4
Washington	Rice	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White	Rice	0.0	0.0	0.0	0.0	0.1	11.7	11.9	12.1	0.2	0.1	0.0	0.0	36.1	3.0
Woodruff	Rice	0.0	0.0	0.0	0.0	2.7	11.8	12.1	12.4	0.4	0.4	0.0	0.0	39.8	3.3
Yell	Rice	0.0	0.0	0.0	0.9	2.0	7.5	9.4	11.1	1.3	0.0	0.0	0.0	32.2	2.7
Arkansas	Sorghum	0.0	0.0	0.0	0.0	0.0	6.7	7.7	7.6	0.6	0.1	0.0	0.0	22.7	1.9
Ashley	Sorghum	0.0	0.0	0.0	0.0	0.0	4.4	4.1	3.6	0.0	0.0	0.0	0.0	12.2	1.0
Chicot	Sorghum	0.0	0.0	0.0	0.0	0.0	2.8	6.0	3.2	0.0	0.0	0.0	0.0	12.0	1.0
Clay	Sorghum	0.0	0.0	0.0	0.0	0.0	4.5	10.5	9.8	0.8	0.0	0.0	0.0	25.5	2.1
Craighead	Sorghum	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	12.0	1.0
Crittenden	Sorghum	0.0	0.0	0.0	0.0	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	7.2	0.6
Cross	Sorghum	0.0	0.0	0.0	0.1	2.9	9.3	7.9	5.2	0.1	0.0	0.0	0.0	25.6	2.1
Desha	Sorghum	1.2	0.0	0.0	0.0	12.8	27.6	29.0	16.2	0.0	0.0	0.0	0.0	86.8	7.2
Drew	Sorghum	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Greene	Sorghum	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	0.0	0.0	0.0	0.0	8.4	0.7
Jackson	Sorghum	0.0	0.0	0.0	0.0	0.1	2.1	5.9	3.2	0.2	0.0	0.0	0.0	11.7	1.0
Jefferson	Sorghum	0.0	0.0	0.0	0.0	0.1	3.2	4.9	5.6	0.0	0.0	0.0	0.0	13.8	1.2
Lafayette	Sorghum	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	24.0	2.0
Lawrence	Sorghum	0.0	0.0	0.0	0.0	0.0	1.0	5.9	5.9	0.0	0.0	0.0	0.0	12.8	1.1
Lee	Sorghum	0.0	0.0	0.0	0.0	0.7	5.6	6.0	1.4	0.0	0.0	0.0	0.0	13.7	1.1
Lonoke	Sorghum	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	0.0	0.0	0.0	0.0	11.6	1.0
Mississippi	Sorghum	0.0	0.0	0.0	0.0	0.0	2.3	2.4	2.3	0.0	0.0	0.0	0.0	7.1	0.6
Monroe	Sorghum	0.0	0.0	0.0	0.0	0.2	3.1	4.9	3.7	0.2	0.0	0.0	0.0	12.1	1.0
Phillips	Sorghum	0.0	0.0	0.0	0.0	1.3	3.7	5.8	1.3	0.0	0.0	0.0	0.0	12.1	1.0
Poinsett	Sorghum	0.0	0.0	0.0	0.0	1.1	11.4	11.1	4.4	0.0	0.0	0.0	0.0	28.0	2.3
Prairie	Sorghum	0.0	0.0	0.0	0.0	0.0	2.1	1.1	2.5	2.5	0.0	0.0	0.0	8.2	0.7
Pulaski	Sorghum	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	1.2	0.0	0.0	0.0	12.0	1.0
St Francis	Sorghum	0.0	0.0	0.0	0.0	0.0	0.7	6.7	6.7	0.2	0.0	0.0	0.0	14.4	1.2
White	Sorghum	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.5
Woodruff	Sorghum	0.0	0.0	0.0	0.0	0.3	1.1	4.0	2.1	0.0	0.0	0.0	0.0	7.5	0.6
Arkansas	Soybeans	0.0	0.0	0.0	0.0	0.5	6.3	7.6	7.3	2.1	0.1	0.0	0.0	23.9	2.0
Ashley	Soybeans	0.0	0.0	0.0	0.0	0.1	4.5	4.8	3.7	0.1	0.0	0.0	0.0	13.2	1.1
Chicot	Soybeans	0.0	0.0	0.0	0.0	0.0	0.8	6.2	5.2	0.0	0.0	0.0	0.0	12.2	1.0
Clark	Soybeans	0.0	0.0	0.0	0.0	0.0	1.1	3.3	2.2	1.1	0.0	0.0	0.0	7.6	0.6
Clay	Soybeans	0.0	0.0	0.0	0.0	0.0	8.7	11.3	11.2	1.0	0.0	0.0	0.0	32.3	2.7
Cleveland	Soybeans	0.0	0.0	0.0	0.0	0.0	4.4	10.1	4.3	0.0	0.0	0.0	0.0	18.8	1.6

Crop Application Rates by Crop, County and Month

County	Crop	Average Monthly Application Rate in Inches/Acre												Total (inches/Acre)	Total (AF/Acre)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Conway	Soybeans	0.0	0.0	0.1	0.1	0.3	0.4	3.2	2.6	2.1	0.0	0.0	0.0	8.8	0.7
Craighead	Soybeans	0.0	0.0	0.0	0.0	0.0	3.9	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Crawford	Soybeans	0.0	0.0	0.0	0.0	0.0	1.2	3.4	1.2	1.2	0.0	0.0	0.0	7.0	0.6
Crittenden	Soybeans	0.0	0.0	0.0	0.0	1.0	4.4	6.0	5.0	1.6	0.0	0.0	0.0	17.9	1.5
Cross	Soybeans	0.0	0.0	0.0	0.2	2.3	9.7	9.4	3.3	0.3	0.0	0.0	0.0	25.1	2.1
Desha	Soybeans	0.1	0.0	0.0	0.0	0.1	3.8	7.3	6.7	0.5	0.1	0.0	0.0	18.5	1.5
Drew	Soybeans	0.0	0.0	0.0	0.0	0.2	3.4	4.0	3.3	0.4	0.0	0.0	0.0	11.3	0.9
Faulkner	Soybeans	0.0	0.0	0.0	0.0	0.3	2.1	5.0	2.8	2.3	0.0	0.0	0.0	12.5	1.0
Franklin	Soybeans	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Fulton	Soybeans	0.0	0.0	0.0	0.0	0.0	8.8	10.6	9.6	1.0	0.0	0.0	0.0	30.0	2.5
Greene	Soybeans	0.0	0.0	0.0	0.0	0.1	0.8	7.3	6.7	0.0	0.0	0.0	0.0	14.8	1.2
Independence	Soybeans	0.0	0.0	0.0	0.0	0.2	2.1	5.0	4.8	0.8	0.0	0.0	0.0	12.8	1.1
Jackson	Soybeans	0.0	0.0	0.0	0.0	0.0	1.3	6.2	5.9	0.0	0.0	0.0	0.0	13.4	1.1
Jefferson	Soybeans	0.0	0.0	0.0	0.1	0.7	5.1	7.5	6.0	0.4	0.0	0.0	0.0	20.0	1.7
Johnson	Soybeans	0.0	0.0	0.0	0.0	0.1	0.0	0.9	0.0	0.0	0.0	0.0	0.0	1.0	0.1
Lafayette	Soybeans	0.0	0.0	0.4	0.4	1.7	3.3	5.0	4.2	0.4	0.0	0.0	0.0	15.3	1.3
Lawrence	Soybeans	0.0	0.0	0.0	0.0	0.3	2.1	6.7	5.0	0.0	0.0	0.0	0.0	14.1	1.2
Lee	Soybeans	0.0	0.0	0.0	0.0	0.2	4.5	7.3	4.3	0.2	0.0	0.0	0.0	16.5	1.4
Lincoln	Soybeans	0.0	0.0	0.0	0.0	0.5	3.4	4.3	4.5	1.1	0.0	0.0	0.0	13.8	1.1
Little River	Soybeans	0.0	0.0	0.0	0.0	0.9	2.4	7.9	7.7	0.0	0.0	0.0	0.0	18.9	1.6
Logan	Soybeans	0.0	0.0	0.0	0.0	0.0	0.6	3.6	4.9	0.7	0.1	0.0	0.0	9.9	0.8
Lonoke	Soybeans	0.0	0.0	0.0	0.0	0.1	0.4	4.5	4.8	0.4	0.0	0.0	0.0	10.2	0.9
Miller	Soybeans	0.0	0.0	0.0	0.0	0.7	4.6	5.8	5.7	1.9	0.0	0.0	0.0	18.6	1.6
Mississippi	Soybeans	0.0	0.0	0.0	0.0	0.0	3.4	3.5	3.4	0.0	0.0	0.0	0.0	10.2	0.8
Monroe	Soybeans	0.0	0.0	0.0	0.0	0.1	3.0	5.2	4.4	0.1	0.1	0.0	0.0	12.9	1.1
Perry	Soybeans	0.0	0.0	0.0	0.0	0.0	0.7	11.8	35.9	11.0	0.0	0.0	0.0	59.5	5.0
Phillips	Soybeans	0.0	0.0	0.0	0.0	0.3	2.5	5.6	3.0	0.1	0.0	0.0	0.0	11.6	1.0
Poinsett	Soybeans	0.0	0.0	0.0	0.0	0.7	9.3	8.5	3.9	0.0	0.0	0.0	0.0	22.3	1.9
Pope	Soybeans	0.0	0.0	0.0	0.0	0.0	0.9	3.0	2.5	0.1	0.0	0.0	0.0	6.6	0.5
Prairie	Soybeans	0.0	0.0	0.0	0.0	0.2	0.8	3.8	4.1	1.2	0.1	0.0	0.0	10.1	0.8
Pulaski	Soybeans	0.0	0.0	0.0	0.0	0.2	2.7	3.9	4.5	0.9	0.0	0.0	0.0	12.2	1.0
Randolph	Soybeans	0.0	0.0	0.0	0.0	0.0	0.3	12.4	12.3	0.1	0.0	0.0	0.0	25.2	2.1
Sharp	Soybeans	0.0	0.0	0.0	0.0	0.0	7.7	9.9	9.1	0.9	0.0	0.0	0.0	27.6	2.3
St Francis	Soybeans	0.0	0.0	0.0	0.0	0.1	1.5	6.0	5.6	1.2	0.0	0.0	0.0	14.4	1.2
Stone	Soybeans	0.0	0.0	0.0	0.0	0.0	2.6	7.1	4.6	0.0	0.0	0.0	0.0	14.2	1.2
White	Soybeans	0.0	0.0	0.0	0.0	0.0	1.3	7.2	7.4	0.7	0.1	0.0	0.0	16.7	1.4
Woodruff	Soybeans	0.0	0.0	0.0	0.0	0.2	0.8	4.2	4.4	0.7	0.7	0.0	0.0	11.0	0.9
Yell	Soybeans	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.9	0.0	0.0	0.0	0.0	7.6	0.6
Cross	Tobacco	0.0	0.0	0.0	0.0	0.0	5.9	5.9	6.1	0.0	0.0	0.0	0.0	18.0	1.5
Greene	Tobacco	0.0	0.0	0.0	0.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	24.0	2.0
Jackson	Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0	0.5
Mississippi	Tobacco	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0	4.8	0.4
Arkansas	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	34.1	59.6	59.6	59.4	24.5	0.0	0.0	0.0	237.0	19.8
Ashley	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	1.2	5.4	6.7	2.8	0.1	0.0	0.0	0.0	16.2	1.4
Chicot	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.2	0.6	4.3	5.7	0.9	0.0	0.0	0.0	0.0	11.7	1.0
Clay	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	3.1	9.5	10.7	6.8	0.2	0.0	0.0	0.0	30.2	2.5
Cleburne	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	2.6	3.1	3.5	3.6	1.8	0.2	0.0	0.0	14.8	1.2

Crop Application Rates by Crop, County and Month

County	Crop	Average Monthly Application Rate in Inches/Acre												Total (inches/Acre)	Total (AF/Acre)
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Craighead	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Crittenden	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0	4.8	0.4
Cross	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	1.2	5.4	6.8	1.9	0.0	0.0	0.0	0.0	15.3	1.3
Desha	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	7.2	7.2	7.2	7.2	7.2	0.0	0.0	36.0	3.0
Drew	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.1	0.0	0.0	0.0	0.0	12.0	1.0
Jackson	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.7	2.1	2.8	3.8	2.5	0.0	0.0	0.0	0.0	11.9	1.0
Jefferson	Vegetables & Melons - Not Classified	0.0	0.0	0.2	1.4	2.8	6.1	7.2	5.8	1.0	0.0	0.0	0.0	24.4	2.0
Lee	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	1.5	3.4	4.9	3.5	1.2	0.4	0.0	0.0	14.9	1.2
Lincoln	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	3.6	5.9	7.4	7.8	4.8	0.0	0.0	0.0	29.6	2.5
Lonoke	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.5	0.7	0.8	0.0	0.0	0.0	0.0	0.0	2.0	0.2
Mississippi	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	4.4	4.5	4.4	0.0	0.0	0.0	0.0	13.3	1.1
Monroe	Vegetables & Melons - Not Classified	0.0	0.0	0.1	0.1	0.5	2.7	3.6	3.3	0.4	0.0	0.0	0.0	10.7	0.9
Newton	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	3.8	3.8	4.3	0.0	0.0	0.0	0.0	12.0	1.0
Phillips	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	1.6	3.0	5.9	3.4	1.1	0.0	0.0	0.0	15.0	1.2
Pike	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	6.0	0.5
Pope	Vegetables & Melons - Not Classified	0.0	0.0	4.8	4.8	4.8	4.8	2.3	2.3	0.0	0.0	0.0	0.0	24.0	2.0
Pulaski	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	3.0	2.8	3.5	1.9	0.0	0.0	0.0	11.3	0.9
Saline	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.2	0.4	0.6	0.9	0.8	0.8	0.3	0.1	0.0	4.2	0.3
Sebastian	Vegetables & Melons - Not Classified	0.0	0.0	0.0	8.2	31.5	31.2	27.4	25.0	17.1	0.0	0.0	0.0	140.5	11.7
St Francis	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.1	0.1	1.8	5.0	2.0	0.1	0.1	0.0	0.0	9.2	0.8
White	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	6.0	0.5
Woodruff	Vegetables & Melons - Not Classified	0.0	0.0	0.0	0.0	0.8	0.8	1.8	1.5	0.0	0.0	0.0	0.0	5.0	0.4
Arkansas	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chicot	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Clay	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0	0.0	0.0	0.0	0.0	30.0	2.5
Craighead	Wheat	0.0	0.0	0.0	0.0	1.3	4.0	4.0	2.7	0.0	0.0	0.0	0.0	12.0	1.0
Crittenden	Wheat	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.1
Cross	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Desha	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greene	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	12.0	1.0
Jefferson	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lafayette	Wheat	0.0	0.0	0.0	5.4	5.4	5.4	5.4	5.4	0.0	0.0	0.0	0.0	27.0	2.3
Lawrence	Wheat	0.0	0.0	0.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	12.1	1.0
Lee	Wheat	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.4	0.0	0.0	0.0	0.0	1.4	0.1
Lincoln	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mississippi	Wheat	0.0	0.0	0.0	0.0	0.0	4.6	4.7	4.6	0.0	0.0	0.0	0.0	14.0	1.2
Monroe	Wheat	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	1.0
Phillips	Wheat	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.4	0.0
Poinsett	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prairie	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Woodruff	Wheat	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0	0.5

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
ARKANSAS					
Rice	128,000	128,000	128,000	128,000	128,000
Soybeans	170,000	170,000	170,000	170,000	170,000
Cotton	-	-	-	-	-
Corn	7,825	7,825	7,825	7,825	7,825
Other	40,873	40,873	40,873	40,873	40,873
Total	346,698	346,698	346,698	346,698	346,698
ASHLEY					
Rice	19,900	20,101	20,101	20,101	20,101
Soybeans	37,000	37,373	37,373	37,373	37,373
Cotton	41,637	42,057	42,057	42,057	42,057
Corn	13,604	13,741	13,741	13,741	13,741
Other	785	793	793	793	793
Total	112,926	114,065	114,065	114,065	114,065
CALHOUN					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	63	63	63	63	63
Total	63	63	63	63	63
CHICOT					
Rice	54,800	65,695	65,695	65,695	65,695
Soybeans	91,100	109,212	109,212	109,212	109,212
Cotton	29,240	35,053	35,053	35,053	35,053
Corn	14,179	16,998	16,998	16,998	16,998
Other	3,189	3,823	3,823	3,823	3,823
Total	192,508	230,781	230,781	230,781	230,781
CLARK					
Rice	1,170	1,170	1,170	1,170	1,170
Soybeans	1,315	1,315	1,315	1,315	1,315
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	300	300	300	300	300
Total	2,785	2,785	2,785	2,785	2,785
CLAY					
Rice	90,200	97,822	100,196	101,900	103,230
Soybeans	80,000	86,760	88,866	90,377	91,557
Cotton	22,727	24,648	25,246	25,675	26,010
Corn	17,588	19,074	19,537	19,869	20,129
Other	275	298	305	311	315
Total	210,790	228,603	234,150	238,132	241,241
CONWAY					

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
Rice	1,064	-	-	-	-
Soybeans	7,100	7,100	7,100	7,100	7,100
Cotton	-	-	-	-	-
Corn	250	250	250	250	250
Other	1,335	1,335	1,335	1,335	1,335
Total	9,749	8,685	8,685	8,685	8,685
CRAIGHEAD					
Rice	90,800	90,800	90,800	90,800	90,800
Soybeans	94,000	132,230	132,230	132,230	132,230
Cotton	64,648	64,648	64,648	64,648	64,648
Corn	16,406	14,917	14,917	14,917	14,917
Other	800	800	800	800	800
Total	266,654	303,396	303,396	303,396	303,396
CRAWFORD					
Rice	-	-	-	-	-
Soybeans	845	1,165	1,335	1,458	1,553
Cotton	-	-	-	-	-
Corn	705	705	705	705	705
Other	642	642	642	642	642
Total	2,192	2,512	2,682	2,804	2,900
CRITTENDEN					
Rice	52,600	52,600	52,600	52,600	52,600
Soybeans	103,000	158,500	212,227	224,889	224,889
Cotton	15,277	15,277	15,277	15,277	15,277
Corn	4,473	4,473	4,473	4,473	4,473
Other	3,410	3,410	3,410	3,410	3,410
Total	178,760	234,260	287,987	300,649	300,649
CROSS					
Rice	98,100	98,100	98,100	98,100	98,100
Soybeans	130,500	130,500	130,500	130,500	130,500
Cotton	4,593	4,593	4,593	4,593	4,593
Corn	5,087	5,471	5,549	5,549	5,549
Other	4,211	4,211	4,211	4,211	4,211
Total	242,491	242,874	242,953	242,953	242,953
DESHA					
Rice	53,500	53,500	53,500	53,500	53,500
Soybeans	121,000	147,227	170,393	185,661	185,661
Cotton	57,158	38,634	15,267	-	-
Corn	12,900	13,864	14,065	14,065	14,065
Other	5,250	5,251	5,251	5,251	5,251
Total	249,808	258,476	258,476	258,476	258,476
DREW					
Rice	15,600	15,600	15,600	15,600	15,600

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
Soybeans	30,500	30,500	30,500	30,500	30,500
Cotton	11,100	11,100	11,100	11,100	11,100
Corn	6,283	7,137	7,242	7,242	7,242
Other	125	125	125	125	125
Total	63,608	64,462	64,567	64,567	64,567
FAULKNER					
Rice	2,800	2,800	2,800	2,800	2,800
Soybeans	280	280	280	280	280
Cotton	-	-	-	-	-
Corn	368	368	368	368	368
Other	5	5	5	5	5
Total	3,453	3,453	3,453	3,453	3,453
FRANKLIN					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	105	105	105	105	105
Total	105	105	105	105	105
GREENE					
Rice	95,000	111,673	132,399	132,399	132,399
Soybeans	50,000	50,000	50,000	50,000	50,000
Cotton	8,725	8,725	8,725	8,725	8,725
Corn	9,127	9,127	9,127	9,127	9,127
Other	281	281	281	281	281
Total	163,133	179,806	200,532	200,532	200,532
HOT SPRING					
Rice	860	860	860	860	860
Soybeans	660	660	660	660	660
Cotton	-	-	-	-	-
Corn	1,000	1,000	1,000	1,000	1,000
Other	400	400	400	400	400
Total	2,920	2,920	2,920	2,920	2,920
INDEPENDENCE					
Rice	16,300	16,300	16,300	16,300	16,300
Soybeans	17,000	31,435	38,814	38,814	38,814
Cotton	-	-	-	-	-
Corn	3,593	3,593	3,593	3,593	3,593
Other	813	813	813	813	813
Total	37,706	52,141	59,520	59,520	59,520
JACKSON					
Rice	118,000	118,000	118,000	118,000	118,000
Soybeans	102,500	102,500	140,315	140,315	140,315

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
Cotton	437	437	437	437	437
Corn	7,472	7,472	7,472	7,472	7,472
Other	1,306	1,306	1,306	1,306	1,306
Total	229,715	229,715	267,530	267,530	267,530
JEFFERSON					
Rice	83,300	83,300	83,300	83,300	83,300
Soybeans	101,000	135,464	135,146	135,146	135,146
Cotton	5,102	5,102	5,102	5,102	5,102
Corn	19,997	18,946	19,263	19,263	19,263
Other	2,869	2,869	2,869	2,869	2,869
Total	212,268	245,680	245,680	245,680	245,680
JOHNSON					
Rice	-	-	-	-	-
Soybeans	620	620	620	620	620
Cotton	-	-	-	-	-
Corn	190	190	190	190	190
Other	10	10	10	10	10
Total	820	820	820	820	820
LAFAYETTE					
Rice	1,507	1,507	1,507	1,507	1,507
Soybeans	4,685	8,332	12,239	16,146	20,053
Cotton	1,319	1,319	1,319	1,319	1,319
Corn	6,460	6,460	6,460	6,460	6,460
Other	639	639	639	639	639
Total	14,610	18,257	22,164	26,071	29,978
LAWRENCE					
Rice	114,000	123,226	125,775	125,775	125,775
Soybeans	47,000	50,804	51,855	51,855	51,855
Cotton	-	-	-	-	-
Corn	2,100	2,270	2,317	2,317	2,317
Other	935	1,011	1,032	1,032	1,032
Total	164,035	177,311	180,979	180,979	180,979
LEE					
Rice	38,800	44,950	51,016	57,083	58,036
Soybeans	72,500	83,991	95,327	106,663	108,444
Cotton	48,215	55,856	63,395	70,934	72,119
Corn	14,381	16,660	18,908	21,157	21,510
Other	1,284	1,488	1,689	1,890	1,921
Total	175,180	202,945	230,336	257,727	262,030
LINCOLN					
Rice	34,900	35,088	35,088	35,088	35,088
Soybeans	74,400	74,800	74,800	74,800	74,800
Cotton	18,148	18,246	18,246	18,246	18,246

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
Corn	8,601	8,647	8,647	8,647	8,647
Other	1,327	1,334	1,334	1,334	1,334
Total	137,376	138,115	138,115	138,115	138,115
LITTLE RIVER					
Rice	-	-	-	-	-
Soybeans	2,745	2,745	2,745	2,745	2,745
Cotton	-	-	-	-	-
Corn	3,850	3,850	3,850	3,850	3,850
Other	-	-	-	-	-
Total	6,595	6,595	6,595	6,595	6,595
LOGAN					
Rice	-	-	-	-	-
Soybeans	189	189	189	189	189
Cotton	-	-	-	-	-
Corn	245	245	245	245	245
Other	-	-	-	-	-
Total	434	434	434	434	434
LONOKE					
Rice	88,000	88,000	88,000	88,000	88,000
Soybeans	108,000	108,000	108,000	108,000	108,000
Cotton	6,023	-	-	-	-
Corn	21,712	18,192	18,564	18,564	18,564
Other	3,506	3,506	3,506	3,506	3,506
Total	227,241	217,698	218,070	218,070	218,070
MADISON					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	120	120	120	120	120
Total	120	120	120	120	120
MILLER					
Rice	3,409	-	-	-	-
Soybeans	2,172	3,321	4,471	5,621	6,771
Cotton	-	-	-	-	-
Corn	2,387	2,387	2,387	2,387	2,387
Other	-	-	-	-	-
Total	7,968	5,708	6,858	8,008	9,158
MISSISSIPPI					
Rice	54,000	69,048	84,180	84,180	84,180
Soybeans	150,000	191,801	233,832	233,832	233,832
Cotton	87,119	111,397	135,808	135,808	135,808
Corn	12,438	15,904	19,389	19,389	19,389

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
Other	2,786	3,562	4,343	4,343	4,343
Total	306,343	391,712	477,552	477,552	477,552
MONROE					
Rice	68,200	68,200	68,200	68,200	68,200
Soybeans	91,000	139,515	177,727	180,781	180,781
Cotton	7,609	7,609	7,609	7,609	7,609
Corn	14,246	14,246	14,246	14,246	14,246
Other	693	693	693	693	693
Total	181,748	230,263	268,475	271,528	271,528
MONTGOMERY					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	12	12	12	12	12
Total	12	12	12	12	12
PERRY					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	40	40	40	40	40
Total	40	40	40	40	40
PHILLIPS					
Rice	46,500	46,500	46,500	46,500	46,500
Soybeans	117,000	117,000	117,000	117,000	117,000
Cotton	24,199	24,199	24,199	24,199	24,199
Corn	14,656	14,656	14,656	14,656	14,656
Other	2,344	2,344	2,344	2,344	2,344
Total	204,699	204,699	204,699	204,699	204,699
POINSETT					
Rice	144,500	144,500	144,500	144,500	144,500
Soybeans	147,000	178,880	178,750	178,750	178,750
Cotton	26,004	26,004	26,004	26,004	26,004
Corn	8,335	7,570	7,700	7,700	7,700
Other	2,019	2,019	2,019	2,019	2,019
Total	327,857	358,973	358,973	358,973	358,973
POLK					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	270	270	270	270	270

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
Total	270	270	270	270	270
POPE					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	161	161	161	161	161
Total	161	161	161	161	161
PRAIRIE					
Rice	73,400	73,400	73,400	73,400	73,400
Soybeans	105,000	123,926	123,838	123,838	123,838
Cotton	731	731	731	731	731
Corn	6,905	7,938	8,027	8,027	8,027
Other	1,636	1,636	1,636	1,636	1,636
Total	187,672	207,632	207,632	207,632	207,632
PULASKI					
Rice	5,600	5,600	5,600	5,600	5,600
Soybeans	13,500	12,613	11,719	11,077	10,575
Cotton	85	-	-	-	-
Corn	4,600	3,129	3,192	3,192	3,192
Other	1,786	1,786	1,786	1,786	1,786
Total	25,571	23,128	22,297	21,655	21,154
RANDOLPH					
Rice	40,700	47,876	47,876	47,876	47,876
Soybeans	25,000	25,000	25,000	25,000	25,000
Cotton	-	-	-	-	-
Corn	4,603	4,603	4,603	4,603	4,603
Other	608	608	608	608	608
Total	70,911	78,086	78,086	78,086	78,086
SALINE					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	241	241	241	241	241
Total	241	241	241	241	241
SCOTT					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	160	160	160	160	160
Total	160	160	160	160	160

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
SEVIER					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	6	6	6	6	6
Total	6	6	6	6	6
SHARP					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	40	40	40	40	40
Total	40	40	40	40	40
ST FRANCIS					
Rice	56,000	65,916	76,900	76,900	76,900
Soybeans	100,000	117,707	137,321	137,321	137,321
Cotton	23,744	27,948	32,606	32,606	32,606
Corn	4,268	5,024	5,861	5,861	5,861
Other	1,641	1,931	2,253	2,253	2,253
Total	185,653	218,526	254,941	254,941	254,941
WASHINGTON					
Rice	-	-	-	-	-
Soybeans	-	-	-	-	-
Cotton	-	-	-	-	-
Corn	-	-	-	-	-
Other	101	101	101	101	101
Total	101	101	101	101	101
WHITE					
Rice	21,500	21,500	21,500	21,500	21,500
Soybeans	27,500	27,500	27,500	27,500	27,500
Cotton	-	-	-	-	-
Corn	1,325	1,325	1,325	1,325	1,325
Other	725	725	725	725	725
Total	51,050	51,050	51,050	51,050	51,050
WOODRUFF					
Rice	67,400	67,400	67,400	67,400	67,400
Soybeans	109,000	143,297	147,036	147,036	147,036
Cotton	4,770	4,770	4,770	4,770	4,770
Corn	10,178	10,178	10,178	10,178	10,178
Other	3,189	3,189	3,189	3,189	3,189
Total	194,537	228,834	232,573	232,573	232,573
TOTAL					

Projected Irrigated Acres by County and Crop

County/Crop	2010	2020	2030	2040	2050
Rice	1,780,410	1,859,031	1,916,862	1,924,633	1,926,917
Soybeans	2,335,111	2,742,262	2,986,237	3,034,605	3,042,217
Cotton	508,610	528,352	542,192	534,893	536,413
Corn	282,334	288,435	296,870	299,451	300,064
Other	93,316	95,334	96,666	96,872	96,908
Total	4,999,780	5,513,415	5,838,827	5,890,454	5,902,518

County Total Water Demand for Crop Irrigation

	Acre-Feet					MGD				
County	**2010**	**2020**	**2030**	**2040**	**2050**	**2010**	**2020**	**2030**	**2040**	**2050**
ARKANSAS	926,671	926,671	926,671	926,671	926,671	827.3	827.3	827.3	827.3	827.3
ASHLEY	158,669	160,270	160,270	160,270	160,270	141.7	143.1	143.1	143.1	143.1
CALHOUN	69	69	69	69	69	0.1	0.1	0.1	0.1	0.1
CHICOT	308,964	370,391	370,391	370,391	370,391	275.8	330.7	330.7	330.7	330.7
CLARK	2,412	2,412	2,412	2,412	2,412	2.2	2.2	2.2	2.2	2.2
CLAY	610,176	661,738	677,796	689,324	698,323	544.7	590.8	605.1	615.4	623.4
CONWAY	9,582	7,173	7,173	7,173	7,173	8.6	6.4	6.4	6.4	6.4
CRAIGHEAD	448,387	485,050	485,050	485,050	485,050	400.3	433.0	433.0	433.0	433.0
CRAWFORD	1,550	1,736	1,835	1,906	1,961	1.4	1.5	1.6	1.7	1.8
CRITTENDEN	351,231	434,154	514,428	533,346	533,346	313.6	387.6	459.3	476.1	476.1
CROSS	598,898	599,808	599,994	599,994	599,994	534.7	535.5	535.6	535.6	535.6
DESHA	481,020	494,589	494,855	495,034	495,034	429.4	441.5	441.8	441.9	441.9
DREW	86,532	87,319	87,416	87,416	87,416	77.3	78.0	78.0	78.0	78.0
FAULKNER	7,617	7,617	7,617	7,617	7,617	6.8	6.8	6.8	6.8	6.8
FRANKLIN	40	40	40	40	40	0.04	0.04	0.04	0.04	0.04
GREENE	317,529	357,570	407,346	407,346	407,346	283.5	319.2	363.7	363.7	363.7
HOT SPRING	3,685	3,685	3,685	3,685	3,685	3.3	3.3	3.3	3.3	3.3
INDEPENDENCE	72,335	87,790	95,690	95,690	95,690	64.6	78.4	85.4	85.4	85.4
JACKSON	479,432	479,432	521,801	521,801	521,801	428.0	428.0	465.8	465.8	465.8
JEFFERSON	434,397	489,969	489,986	489,986	489,986	387.8	437.4	437.4	437.4	437.4
JOHNSON	97	97	97	97	97	0.1	0.1	0.1	0.1	0.1
LAFAYETTE	19,316	23,979	28,975	33,970	38,966	17.2	21.4	25.9	30.3	34.8
LAWRENCE	405,850	438,696	447,771	447,771	447,771	362.3	391.6	399.7	399.7	399.7
LEE	308,913	357,874	406,176	454,478	462,066	275.8	319.5	362.6	405.7	412.5
LINCOLN	245,732	247,053	247,053	247,053	247,053	219.4	220.6	220.6	220.6	220.6
LITTLE RIVER	8,627	8,627	8,627	8,627	8,627	7.7	7.7	7.7	7.7	7.7
LOGAN	280	280	280	280	280	0.3	0.3	0.3	0.3	0.3
LONOKE	407,873	396,067	396,548	396,548	396,548	364.1	353.6	354.0	354.0	354.0
MADISON	43	43	43	43	43	0.04	0.04	0.04	0.04	0.04
MILLER	17,998	7,206	8,988	10,771	12,553	16.1	6.4	8.0	9.6	11.2

County Total Water Demand for Crop Irrigation

	Acre-Feet					MGD				
MISSISSIPPI	380,046	485,954	592,447	592,447	592,447	339.3	433.8	528.9	528.9	528.9
MONROE	345,421	397,575	438,653	441,936	441,936	308.4	354.9	391.6	394.5	394.5
MONTGOMERY	5	5	5	5	5	0.004	0.004	0.004	0.004	0.004
PERRY	48	48	48	48	48	0.04	0.04	0.04	0.04	0.04
PHILLIPS	297,582	297,582	297,582	297,582	297,582	265.7	265.7	265.7	265.7	265.7
POINSETT	808,477	866,130	866,174	866,174	866,174	721.8	773.2	773.3	773.3	773.3
POLK	221	221	221	221	221	0.2	0.2	0.2	0.2	0.2
POPE	49	49	49	49	49	0.04	0.04	0.04	0.04	0.04
PRAIRIE	283,853	301,490	301,563	301,563	301,563	253.4	269.2	269.2	269.2	269.2
PULASKI	37,066	34,598	33,751	33,097	32,587	33.1	30.9	30.1	29.5	29.1
RANDOLPH	183,818	205,135	205,135	205,135	205,135	164.1	183.1	183.1	183.1	183.1
SALINE	2,192	2,192	2,192	2,192	2,192	2.0	2.0	2.0	2.0	2.0
SCOTT	286	286	286	286	286	0.3	0.3	0.3	0.3	0.3
SEVIER	6	6	6	6	6	0.005	0.005	0.005	0.005	0.005
SHARP	0.5	0.5	0.5	0.5	0.5	0.0004	0.0004	0.0004	0.0004	0.0004
ST. FRANCIS	378,297	445,281	519,482	519,482	519,482	337.7	397.5	463.8	463.8	463.8
WASHINGTON	93	93	93	93	93	0.1	0.1	0.1	0.1	0.1
WHITE	106,105	106,105	106,105	106,105	106,105	94.7	94.7	94.7	94.7	94.7
WOODRUFF	337,691	368,998	372,411	372,411	372,411	301.5	329.4	332.5	332.5	332.5
TOTAL	**9,875,183**	**10,649,154**	**11,135,286**	**11,223,692**	**11,246,602**	**8,816**	**9,507**	**9,941**	**10,020**	**10,040**

Crop Irrigation Water Demand By County and Crop in AF and MGD

		Acre-feet					MGD				
County	**Crop**	**2010**	**2020**	**2030**	**2040**	**2050**	**2010**	**2020**	**2030**	**2040**	**2050**
ARKANSAS	Corn for grain	19,292	19,292	19,292	19,292	19,292	17.2	17.2	17.2	17.2	17.2
ARKANSAS	Crop Maintenance	54,120	54,120	54,120	54,120	54,120	48.3	48.3	48.3	48.3	48.3
ARKANSAS	Fruit & Nut Trees	33	33	33	33	33	0.0	0.0	0.0	0.0	0.0
ARKANSAS	Hay - All Feed Grass	4	4	4	4	4	0.0	0.0	0.0	0.0	0.0
ARKANSAS	Milo	90	90	90	90	90	0.1	0.1	0.1	0.1	0.1
ARKANSAS	oats	335	335	335	335	335	0.3	0.3	0.3	0.3	0.3
ARKANSAS	Pastures & Lawns	335	335	335	335	335	0.3	0.3	0.3	0.3	0.3
ARKANSAS	Reservoirs for Crops	1,585	1,585	1,585	1,585	1,585	1.4	1.4	1.4	1.4	1.4
ARKANSAS	Rice	507,487	507,487	507,487	507,487	507,487	453.1	453.1	453.1	453.1	453.1
ARKANSAS	Sorghum	4,584	4,584	4,584	4,584	4,584	4.1	4.1	4.1	4.1	4.1
ARKANSAS	Soybeans	338,807	338,807	338,807	338,807	338,807	302.5	302.5	302.5	302.5	302.5
ARKANSAS	wheat	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
ASHLEY	Corn for grain	13,402	13,537	13,537	13,537	13,537	12.0	12.1	12.1	12.1	12.1
ASHLEY	Cotton	47,690	48,171	48,171	48,171	48,171	42.6	43.0	43.0	43.0	43.0
ASHLEY	Rice	55,887	56,451	56,451	56,451	56,451	49.9	50.4	50.4	50.4	50.4
ASHLEY	Sorghum	182	184	184	184	184	0.2	0.2	0.2	0.2	0.2
ASHLEY	Soybeans	40,688	41,099	41,099	41,099	41,099	36.3	36.7	36.7	36.7	36.7
ASHLEY	Vegetables & Melons - Not Classified	819	827	827	827	827	0.7	0.7	0.7	0.7	0.7
CALHOUN	Fruit & Nut Trees	69	69	69	69	69	0.1	0.1	0.1	0.1	0.1
CHICOT	Corn for grain	13,367	16,024	16,024	16,024	16,024	11.9	14.3	14.3	14.3	14.3
CHICOT	Cotton	30,875	37,014	37,014	37,014	37,014	27.6	33.0	33.0	33.0	33.0
CHICOT	Crop Maintenance	1,420	1,702	1,702	1,702	1,702	1.3	1.5	1.5	1.5	1.5
CHICOT	Hay - All Feed Grass	473	566	566	566	566	0.4	0.5	0.5	0.5	0.5
CHICOT	Milo	288	345	345	345	345	0.3	0.3	0.3	0.3	0.3
CHICOT	Pastures & Lawns	256	307	307	307	307	0.2	0.3	0.3	0.3	0.3
CHICOT	Reservoirs for Crops	1,697	2,034	2,034	2,034	2,034	1.5	1.8	1.8	1.8	1.8
CHICOT	Rice	166,373	199,450	199,450	199,450	199,450	148.5	178.1	178.1	178.1	178.1
CHICOT	Sorghum	567	680	680	680	680	0.5	0.6	0.6	0.6	0.6
CHICOT	Soybeans	92,985	111,472	111,472	111,472	111,472	83.0	99.5	99.5	99.5	99.5
CHICOT	Vegetables & Melons - Not Classified	665	797	797	797	797	0.6	0.7	0.7	0.7	0.7
CLARK	Corn for grain	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
CLARK	Hay - All Feed Grass	263	263	263	263	263	0.2	0.2	0.2	0.2	0.2
CLARK	Rice	1,316	1,316	1,316	1,316	1,316	1.2	1.2	1.2	1.2	1.2
CLARK	Soybeans	834	834	834	834	834	0.7	0.7	0.7	0.7	0.7
CLAY	Corn for grain	44,777	48,561	49,740	50,585	51,246	40.0	43.4	44.4	45.2	45.7
CLAY	Cotton	57,147	61,977	63,481	64,560	65,403	51.0	55.3	56.7	57.6	58.4
CLAY	Hay - All Feed Grass	276	300	307	312	316	0.2	0.3	0.3	0.3	0.3

Crop Irrigation Water Demand By County and Crop in AF and MGD

		Acre-feet					MGD				
CLAY	Rice	292,103	316,788	324,475	329,993	334,301	260.8	282.8	289.7	294.6	298.4
CLAY	Sorghum	85	92	94	96	97	0.1	0.1	0.1	0.1	0.1
CLAY	Soybeans	215,435	233,640	239,309	243,379	246,557	192.3	208.6	213.6	217.3	220.1
CLAY	Vegetables & Melons - Not Classified	227	246	252	256	259	0.2	0.2	0.2	0.2	0.2
CLAY	wheat	125	136	139	141	143	0.1	0.1	0.1	0.1	0.1
CONWAY	Cash Grains - Not Classified	138	138	138	138	138	0.1	0.1	0.1	0.1	0.1
CONWAY	Corn for grain	173	173	173	173	173	0.2	0.2	0.2	0.2	0.2
CONWAY	Hay - All Feed Grass	1,530	1,530	1,530	1,530	1,530	1.4	1.4	1.4	1.4	1.4
CONWAY	Rice	2,409	0	0	0	0	2.2	0.0	0.0	0.0	0.0
CONWAY	Sorghum	112	112	112	112	112	0.1	0.1	0.1	0.1	0.1
CONWAY	Soybeans	5,220	5,220	5,220	5,220	5,220	4.7	4.7	4.7	4.7	4.7
CRAIGHEAD	Corn for grain	16,402	14,914	14,914	14,914	14,914	14.6	13.3	13.3	13.3	13.3
CRAIGHEAD	Cotton	65,319	65,319	65,319	65,319	65,319	58.3	58.3	58.3	58.3	58.3
CRAIGHEAD	Fruit & Nut Trees	281	281	281	281	281	0.3	0.3	0.3	0.3	0.3
CRAIGHEAD	Hay - All Feed Grass	122	122	122	122	122	0.1	0.1	0.1	0.1	0.1
CRAIGHEAD	Milo	307	307	307	307	307	0.3	0.3	0.3	0.3	0.3
CRAIGHEAD	Reservoirs for Crops	268	268	268	268	268	0.2	0.2	0.2	0.2	0.2
CRAIGHEAD	Rice	271,883	271,883	271,883	271,883	271,883	242.7	242.7	242.7	242.7	242.7
CRAIGHEAD	Soybeans	93,806	131,957	131,957	131,957	131,957	83.7	117.8	117.8	117.8	117.8
CRAWFORD	Corn for grain	167	167	167	167	167	0.1	0.1	0.1	0.1	0.1
CRAWFORD	Fruit & Nut Trees	2	2	2	2	2	0.0	0.0	0.0	0.0	0.0
CRAWFORD	Hay - All Feed Grass	573	573	573	573	573	0.5	0.5	0.5	0.5	0.5
CRAWFORD	Soybeans	490	676	774	845	901	0.4	0.6	0.7	0.8	0.8
CRAWFORD	Vegetables & Melons - Not Classified	318	318	318	318	318	0.3	0.3	0.3	0.3	0.3
CRITTENDEN	Corn for grain	5,223	5,223	5,223	5,223	5,223	4.7	4.7	4.7	4.7	4.7
CRITTENDEN	Cotton	19,875	19,875	19,875	19,875	19,875	17.7	17.7	17.7	17.7	17.7
CRITTENDEN	Milo	1,502	1,502	1,502	1,502	1,502	1.3	1.3	1.3	1.3	1.3
CRITTENDEN	Rice	170,516	170,516	170,516	170,516	170,516	152.2	152.2	152.2	152.2	152.2
CRITTENDEN	Soybeans	153,893	236,815	317,089	336,008	336,008	137.4	211.4	283.1	300.0	300.0
CRITTENDEN	wheat	223	223	223	223	223	0.2	0.2	0.2	0.2	0.2
CROSS	Corn for grain	12,071	12,981	13,166	13,166	13,166	10.8	11.6	11.8	11.8	11.8
CROSS	Cotton	7,992	7,992	7,992	7,992	7,992	7.1	7.1	7.1	7.1	7.1
CROSS	Hay - All Feed Grass	846	846	846	846	846	0.8	0.8	0.8	0.8	0.8
CROSS	Milo	3,526	3,526	3,526	3,526	3,526	3.1	3.1	3.1	3.1	3.1
CROSS	Pastures & Lawns	2	2	2	2	2	0.002	0.002	0.002	0.002	0.002
CROSS	Reservoirs for Crops	6	6	6	6	6	0.006	0.006	0.006	0.006	0.006
CROSS	Rice	298,673	298,673	298,673	298,673	298,673	266.6	266.6	266.6	266.6	266.6
CROSS	Sorghum	963	963	963	963	963	0.9	0.9	0.9	0.9	0.9

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		Acre-feet					MGD				
CROSS	Soybeans	272,731	272,731	272,731	272,731	272,731	243.5	243.5	243.5	243.5	243.5
CROSS	Tobacco	80	80	80	80	80	0.1	0.1	0.1	0.1	0.1
CROSS	Vegetables & Melons - Not Classified	2,009	2,009	2,009	2,009	2,009	1.8	1.8	1.8	1.8	1.8
CROSS	wheat	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
DESHA	Corn for grain	19,340	20,786	21,086	21,086	21,086	17.3	18.6	18.8	18.8	18.8
DESHA	Cotton	87,670	59,257	23,418	0	0	78.3	52.9	20.9	0.0	0.0
DESHA	Crop Maintenance	5,153	5,153	5,153	5,153	5,153	4.6	4.6	4.6	4.6	4.6
DESHA	Hay - All Feed Grass	47	47	47	47	47	0.04	0.04	0.04	0.04	0.04
DESHA	Milo	6,029	6,029	6,029	6,029	6,029	5.4	5.4	5.4	5.4	5.4
DESHA	Peanuts	240	240	240	240	240	0.2	0.2	0.2	0.2	0.2
DESHA	Rice	165,937	165,937	165,937	165,937	165,937	148.1	148.1	148.1	148.1	148.1
DESHA	Sorghum	9,588	9,588	9,588	9,588	9,588	8.6	8.6	8.6	8.6	8.6
DESHA	Soybeans	187,016	227,552	263,357	286,954	286,954	167.0	203.1	235.1	256.2	256.2
DESHA	wheat	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
DREW	Corn for grain	5,789	6,576	6,674	6,674	6,674	5.2	5.9	6.0	6.0	6.0
DREW	Cotton	11,233	11,233	11,233	11,233	11,233	10.0	10.0	10.0	10.0	10.0
DREW	oats	38	38	38	38	38	0.0	0.0	0.0	0.0	0.0
DREW	Pastures & Lawns	25	25	25	25	25	0.0	0.0	0.0	0.0	0.0
DREW	Rice	40,714	40,714	40,714	40,714	40,714	36.3	36.3	36.3	36.3	36.3
DREW	Soybeans	28,733	28,733	28,733	28,733	28,733	25.7	25.7	25.7	25.7	25.7
FAULKNER	Corn for grain	485	485	485	485	485	0.4	0.4	0.4	0.4	0.4
FAULKNER	Hay - All Feed Grass	10	10	10	10	10	0.01	0.01	0.01	0.01	0.01
FAULKNER	Rice	6,829	6,829	6,829	6,829	6,829	6.1	6.1	6.1	6.1	6.1
FAULKNER	Soybeans	292	292	292	292	292	0.3	0.3	0.3	0.3	0.3
FRANKLIN	Milo	22	22	22	22	22	0.02	0.02	0.02	0.02	0.02
FRANKLIN	Pastures & Lawns	18	18	18	18	18	0.02	0.02	0.02	0.02	0.02
GREENE	Corn for grain	14,085	14,085	14,085	14,085	14,085	12.6	12.6	12.6	12.6	12.6
GREENE	Cotton	13,054	13,054	13,054	13,054	13,054	11.7	11.7	11.7	11.7	11.7
GREENE	Hay - All Feed Grass	419	419	419	419	419	0.4	0.4	0.4	0.4	0.4
GREENE	Milo	73	73	73	73	73	0.1	0.1	0.1	0.1	0.1
GREENE	Rice	228,152	268,193	317,970	317,970	317,970	203.7	239.4	283.9	283.9	283.9
GREENE	Soybeans	61,745	61,745	61,745	61,745	61,745	55.1	55.1	55.1	55.1	55.1
HOT SPRING	Corn for grain	1,000	1,000	1,000	1,000	1,000	0.9	0.9	0.9	0.9	0.9
HOT SPRING	Hay - All Feed Grass	619	619	619	619	619	0.6	0.6	0.6	0.6	0.6
HOT SPRING	Rice	967	967	967	967	967	0.9	0.9	0.9	0.9	0.9
HOT SPRING	Soybeans	1,099	1,099	1,099	1,099	1,099	1.0	1.0	1.0	1.0	1.0
INDEPENDENCE	Corn for grain	4,368	4,368	4,368	4,368	4,368	3.9	3.9	3.9	3.9	3.9
INDEPENDENCE	Cotton	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0

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		Acre-feet					MGD				
INDEPENDENCE	Crop Maintenance	90	90	90	90	90	0.1	0.1	0.1	0.1	0.1
INDEPENDENCE	Hay - All Feed Grass	790	790	790	790	790	0.7	0.7	0.7	0.7	0.7
INDEPENDENCE	Pastures & Lawns	80	80	80	80	80	0.1	0.1	0.1	0.1	0.1
INDEPENDENCE	Rice	48,806	48,806	48,806	48,806	48,806	43.6	43.6	43.6	43.6	43.6
INDEPENDENCE	Soybeans	18,201	33,655	41,555	41,555	41,555	16.2	30.0	37.1	37.1	37.1
JACKSON	Cash Grains - Not Classified	240	240	240	240	240	0.2	0.2	0.2	0.2	0.2
JACKSON	Corn for grain	10,858	10,858	10,858	10,858	10,858	9.7	9.7	9.7	9.7	9.7
JACKSON	Cotton	548	548	548	548	548	0.5	0.5	0.5	0.5	0.5
JACKSON	Fruit & Nut Trees	4	4	4	4	4	0.003	0.003	0.003	0.003	0.003
JACKSON	Hay - All Feed Grass	340	340	340	340	340	0.3	0.3	0.3	0.3	0.3
JACKSON	Milo	50	50	50	50	50	0.04	0.04	0.04	0.04	0.04
JACKSON	Pastures & Lawns	3	3	3	3	3	0.003	0.003	0.003	0.003	0.003
JACKSON	Peanuts	352	352	352	352	352	0.3	0.3	0.3	0.3	0.3
JACKSON	Reservoirs for Crops	157	157	157	157	157	0.1	0.1	0.1	0.1	0.1
JACKSON	Rice	351,447	351,447	351,447	351,447	351,447	313.8	313.8	313.8	313.8	313.8
JACKSON	Sorghum	190	190	190	190	190	0.2	0.2	0.2	0.2	0.2
JACKSON	Soybeans	114,844	114,844	157,213	157,213	157,213	102.5	102.5	140.4	140.4	140.4
JACKSON	Vegetables & Melons - Not Classified	401	401	401	401	401	0.4	0.4	0.4	0.4	0.4
JEFFERSON	Corn for grain	34,389	32,581	33,126	33,126	33,126	30.7	29.1	29.6	29.6	29.6
JEFFERSON	Cotton	8,975	8,975	8,975	8,975	8,975	8.0	8.0	8.0	8.0	8.0
JEFFERSON	Hay - All Feed Grass	269	269	269	269	269	0.2	0.2	0.2	0.2	0.2
JEFFERSON	Milo	94	94	94	94	94	0.1	0.1	0.1	0.1	0.1
JEFFERSON	Pastures & Lawns	27	27	27	27	27	0.0	0.0	0.0	0.0	0.0
JEFFERSON	Reservoirs for Crops	5,343	5,343	5,343	5,343	5,343	4.8	4.8	4.8	4.8	4.8
JEFFERSON	Rice	216,916	216,916	216,916	216,916	216,916	193.7	193.7	193.7	193.7	193.7
JEFFERSON	Sorghum	46	46	46	46	46	0.0	0.0	0.0	0.0	0.0
JEFFERSON	Soybeans	168,158	225,537	225,009	225,009	225,009	150.1	201.3	200.9	200.9	200.9
JEFFERSON	Vegetables & Melons - Not Classified	181	181	181	181	181	0.2	0.2	0.2	0.2	0.2
JEFFERSON	wheat	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
JOHNSON	Berries	4	4	4	4	4	0.004	0.004	0.004	0.004	0.004
JOHNSON	Corn for grain	41	41	41	41	41	0.04	0.04	0.04	0.04	0.04
JOHNSON	Soybeans	51	51	51	51	51	0.05	0.05	0.05	0.05	0.05
LAFAYETTE	Corn for grain	7,417	7,417	7,417	7,417	7,417	6.6	6.6	6.6	6.6	6.6
LAFAYETTE	Cotton	1,626	1,626	1,626	1,626	1,626	1.5	1.5	1.5	1.5	1.5
LAFAYETTE	Hay - All Feed Grass	223	223	223	223	223	0.2	0.2	0.2	0.2	0.2
LAFAYETTE	Pastures & Lawns	28	28	28	28	28	0.0	0.0	0.0	0.0	0.0
LAFAYETTE	Reservoirs for Crops	60	60	60	60	60	0.1	0.1	0.1	0.1	0.1
LAFAYETTE	Rice	3,245	3,245	3,245	3,245	3,245	2.9	2.9	2.9	2.9	2.9

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		Acre-feet					MGD				
LAFAYETTE	Soybeans	5,990	10,653	15,649	20,645	25,640	5.3	9.5	14.0	18.4	22.9
LAFAYETTE	wheat	727	727	727	727	727	0.6	0.6	0.6	0.6	0.6
LAWRENCE	Corn for grain	2,659	2,874	2,933	2,933	2,933	2.4	2.6	2.6	2.6	2.6
LAWRENCE	Hay - All Feed Grass	254	275	280	280	280	0.2	0.2	0.3	0.3	0.3
LAWRENCE	Milo	101	110	112	112	112	0.1	0.1	0.1	0.1	0.1
LAWRENCE	Peanuts	750	811	827	827	827	0.7	0.7	0.7	0.7	0.7
LAWRENCE	Rice	346,721	374,782	382,535	382,535	382,535	309.5	334.6	341.5	341.5	341.5
LAWRENCE	Sorghum	16	17	18	18	18	0.0	0.0	0.0	0.0	0.0
LAWRENCE	Soybeans	55,349	59,829	61,066	61,066	61,066	49.4	53.4	54.5	54.5	54.5
LEE	Berries	172	199	226	253	257	0.2	0.2	0.2	0.2	0.2
LEE	Corn for grain	23,376	27,081	30,736	34,391	34,966	20.9	24.2	27.4	30.7	31.2
LEE	Cotton	68,216	79,028	89,694	100,361	102,036	60.9	70.6	80.1	89.6	91.1
LEE	Crop Maintenance	61	71	80	90	91	0.1	0.1	0.1	0.1	0.1
LEE	Hay - All Feed Grass	99	115	131	146	149	0.1	0.1	0.1	0.1	0.1
LEE	Milo	108	126	142	159	162	0.1	0.1	0.1	0.1	0.1
LEE	Pastures & Lawns	58	67	76	85	86	0.1	0.1	0.1	0.1	0.1
LEE	Reservoirs for Crops	357	413	469	524	533	0.3	0.4	0.4	0.5	0.5
LEE	Rice	116,555	135,029	153,253	171,478	174,341	104.1	120.5	136.8	153.1	155.6
LEE	Sorghum	93	107	122	136	138	0.1	0.1	0.1	0.1	0.1
LEE	Soybeans	99,504	115,275	130,833	146,392	148,836	88.8	102.9	116.8	130.7	132.9
LEE	Vegetables & Melons - Not Classified	257	298	338	378	385	0.2	0.3	0.3	0.3	0.3
LEE	wheat	57	66	75	84	86	0.1	0.1	0.1	0.1	0.1
LINCOLN	Corn for grain	18,112	18,209	18,209	18,209	18,209	16.2	16.3	16.3	16.3	16.3
LINCOLN	Cotton	31,106	31,273	31,273	31,273	31,273	27.8	27.9	27.9	27.9	27.9
LINCOLN	Milo	333	335	335	335	335	0.3	0.3	0.3	0.3	0.3
LINCOLN	Reservoirs for Crops	265	266	266	266	266	0.2	0.2	0.2	0.2	0.2
LINCOLN	Rice	108,655	109,239	109,239	109,239	109,239	97.0	97.5	97.5	97.5	97.5
LINCOLN	Soybeans	85,270	85,728	85,728	85,728	85,728	76.1	76.5	76.5	76.5	76.5
LINCOLN	Vegetables & Melons - Not Classified	1,992	2,002	2,002	2,002	2,002	1.8	1.8	1.8	1.8	1.8
LITTLE RIVER	Corn for grain	4,314	4,314	4,314	4,314	4,314	3.9	3.9	3.9	3.9	3.9
LITTLE RIVER	Soybeans	4,314	4,314	4,314	4,314	4,314	3.9	3.9	3.9	3.9	3.9
LOGAN	Corn for grain	125	125	125	125	125	0.1	0.1	0.1	0.1	0.1
LOGAN	Soybeans	156	156	156	156	156	0.1	0.1	0.1	0.1	0.1
LONOKE	Corn for grain	28,072	23,521	24,002	24,002	24,002	25.1	21.0	21.4	21.4	21.4
LONOKE	Cotton	7,255	0	0	0	0	6.5	0.0	0.0	0.0	0.0
LONOKE	Crop Maintenance	1,147	1,147	1,147	1,147	1,147	1.0	1.0	1.0	1.0	1.0
LONOKE	Hay - All Feed Grass	177	177	177	177	177	0.2	0.2	0.2	0.2	0.2
LONOKE	Milo	97	97	97	97	97	0.1	0.1	0.1	0.1	0.1

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		Acre-feet					MGD				
LONOKE	Reservoirs for Crops	9,109	9,109	9,109	9,109	9,109	8.1	8.1	8.1	8.1	8.1
LONOKE	Rice	269,964	269,964	269,964	269,964	269,964	241.0	241.0	241.0	241.0	241.0
LONOKE	Soybeans	92,014	92,014	92,014	92,014	92,014	82.1	82.1	82.1	82.1	82.1
LONOKE	Vegetables & Melons - Not Classified	38	38	38	38	38	0.03	0.03	0.03	0.03	0.03
MADISON	Hay - All Feed Grass	43	43	43	43	43	0.04	0.04	0.04	0.04	0.04
MILLER	Corn for grain	2,058	2,058	2,058	2,058	2,058	1.8	1.8	1.8	1.8	1.8
MILLER	Cotton	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
MILLER	Rice	12,574	0	0	0	0	11.2	0.0	0.0	0.0	0.0
MILLER	Soybeans	3,367	5,148	6,931	8,713	10,496	3.0	4.6	6.2	7.8	9.4
MISSISSIPPI	Corn for grain	14,414	18,430	22,469	22,469	22,469	12.9	16.5	20.1	20.1	20.1
MISSISSIPPI	Cotton	77,211	98,727	120,362	120,362	120,362	68.9	88.1	107.5	107.5	107.5
MISSISSIPPI	Crop Maintenance	106	135	165	165	165	0.1	0.1	0.1	0.1	0.1
MISSISSIPPI	Hay - All Feed Grass	18	23	28	28	28	0.02	0.02	0.03	0.03	0.03
MISSISSIPPI	Milo	241	309	376	376	376	0.2	0.3	0.3	0.3	0.3
MISSISSIPPI	Pastures & Lawns	20	26	31	31	31	0.0	0.0	0.0	0.0	0.0
MISSISSIPPI	Reservoirs for Crops	175	224	273	273	273	0.2	0.2	0.2	0.2	0.2
MISSISSIPPI	Rice	158,074	202,124	246,418	246,418	246,418	141.1	180.4	220.0	220.0	220.0
MISSISSIPPI	Soybeans	127,457	162,976	198,691	198,691	198,691	113.8	145.5	177.4	177.4	177.4
MISSISSIPPI	Vegetables & Melons - Not Classified	1,130	1,445	1,762	1,762	1,762	1.0	1.3	1.6	1.6	1.6
MISSISSIPPI	wheat	1,201	1,535	1,871	1,871	1,871	1.1	1.4	1.7	1.7	1.7
MONROE	Corn for grain	28,794	28,794	28,794	28,794	28,794	25.7	25.7	25.7	25.7	25.7
MONROE	Cotton	11,552	11,552	11,552	11,552	11,552	10.3	10.3	10.3	10.3	10.3
MONROE	Hay - All Feed Grass	111	111	111	111	111	0.1	0.1	0.1	0.1	0.1
MONROE	Milo	299	299	299	299	299	0.3	0.3	0.3	0.3	0.3
MONROE	Rice	206,558	206,558	206,558	206,558	206,558	184.4	184.4	184.4	184.4	184.4
MONROE	Sorghum	57	57	57	57	57	0.1	0.1	0.1	0.1	0.1
MONROE	Soybeans	97,825	149,979	191,057	194,340	194,340	87.3	133.9	170.6	173.5	173.5
MONROE	Vegetables & Melons - Not Classified	224	224	224	224	224	0.2	0.2	0.2	0.2	0.2
MONTGOMERY	Pastures & Lawns	5	5	5	5	5	0.004	0.004	0.004	0.004	0.004
PERRY	Hay - All Feed Grass	48	48	48	48	48	0.04	0.04	0.04	0.04	0.04
PHILLIPS	Corn for grain	16,999	16,999	16,999	16,999	16,999	15.2	15.2	15.2	15.2	15.2
PHILLIPS	Cotton	27,250	27,250	27,250	27,250	27,250	24.3	24.3	24.3	24.3	24.3
PHILLIPS	Fruit & Nut Trees	67	67	67	67	67	0.1	0.1	0.1	0.1	0.1
PHILLIPS	Milo	1,344	1,344	1,344	1,344	1,344	1.2	1.2	1.2	1.2	1.2
PHILLIPS	Pastures & Lawns	45	45	45	45	45	0.0	0.0	0.0	0.0	0.0
PHILLIPS	Rice	138,414	138,414	138,414	138,414	138,414	123.6	123.6	123.6	123.6	123.6
PHILLIPS	Sorghum	151	151	151	151	151	0.1	0.1	0.1	0.1	0.1
PHILLIPS	Soybeans	112,846	112,846	112,846	112,846	112,846	100.7	100.7	100.7	100.7	100.7

Crop Irrigation Water Demand By County and Crop in AF and MGD

		Acre-feet					MGD				
PHILLIPS	Vegetables & Melons - Not Classified	451	451	451	451	451	0.4	0.4	0.4	0.4	0.4
PHILLIPS	wheat	14	14	14	14	14	0.01	0.01	0.01	0.01	0.01
POINSETT	Corn for grain	18,296	16,618	16,903	16,903	16,903	16.3	14.8	15.1	15.1	15.1
POINSETT	Cotton	38,566	38,566	38,566	38,566	38,566	34.4	34.4	34.4	34.4	34.4
POINSETT	Hay - All Feed Grass	160	160	160	160	160	0.1	0.1	0.1	0.1	0.1
POINSETT	Reservoirs for Crops	6,267	6,267	6,267	6,267	6,267	5.6	5.6	5.6	5.6	5.6
POINSETT	Rice	471,235	471,235	471,235	471,235	471,235	420.7	420.7	420.7	420.7	420.7
POINSETT	Sorghum	373	373	373	373	373	0.3	0.3	0.3	0.3	0.3
POINSETT	Soybeans	273,579	332,910	332,669	332,669	332,669	244.2	297.2	297.0	297.0	297.0
POINSETT	wheat	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POLK	Crop Maintenance	60	60	60	60	60	0.1	0.1	0.1	0.1	0.1
POLK	Hay - All Feed Grass	161	161	161	161	161	0.1	0.1	0.1	0.1	0.1
POPE	Hay - All Feed Grass	25	25	25	25	25	0.02	0.02	0.02	0.02	0.02
POPE	Pastures & Lawns	24	24	24	24	24	0.02	0.02	0.02	0.02	0.02
PRAIRIE	Corn for grain	11,458	13,174	13,320	13,320	13,320	10.2	11.8	11.9	11.9	11.9
PRAIRIE	Cotton	676	676	676	676	676	0.6	0.6	0.6	0.6	0.6
PRAIRIE	Crop Maintenance	468	468	468	468	468	0.4	0.4	0.4	0.4	0.4
PRAIRIE	Hay - All Feed Grass	53	53	53	53	53	0.05	0.05	0.05	0.05	0.05
PRAIRIE	Milo	503	503	503	503	503	0.4	0.4	0.4	0.4	0.4
PRAIRIE	Pastures & Lawns	293	293	293	293	293	0.3	0.3	0.3	0.3	0.3
PRAIRIE	Reservoirs for Crops	271	271	271	271	271	0.2	0.2	0.2	0.2	0.2
PRAIRIE	Rice	181,732	181,732	181,732	181,732	181,732	162.2	162.2	162.2	162.2	162.2
PRAIRIE	Sorghum	71	71	71	71	71	0.1	0.1	0.1	0.1	0.1
PRAIRIE	Soybeans	88,329	104,250	104,176	104,176	104,176	78.9	93.1	93.0	93.0	93.0
PULASKI	Berries	32	32	32	32	32	0.03	0.03	0.03	0.03	0.03
PULASKI	Corn for grain	4,600	3,129	3,192	3,192	3,192	4.1	2.8	2.8	2.8	2.8
PULASKI	Cotton	94	0	0	0	0	0.1	0.0	0.0	0.0	0.0
PULASKI	Crop Maintenance	78	78	78	78	78	0.1	0.1	0.1	0.1	0.1
PULASKI	Fruit & Nut Trees	132	132	132	132	132	0.1	0.1	0.1	0.1	0.1
PULASKI	Hay - All Feed Grass	307	307	307	307	307	0.3	0.3	0.3	0.3	0.3
PULASKI	Milo	67	67	67	67	67	0.1	0.1	0.1	0.1	0.1
PULASKI	Reservoirs for Crops	270	270	270	270	270	0.2	0.2	0.2	0.2	0.2
PULASKI	Rice	16,676	16,676	16,676	16,676	16,676	14.9	14.9	14.9	14.9	14.9
PULASKI	Sorghum	80	80	80	80	80	0.1	0.1	0.1	0.1	0.1
PULASKI	Soybeans	13,742	12,839	11,928	11,275	10,765	12.3	11.5	10.6	10.1	9.6
PULASKI	Vegetables & Melons - Not Classified	988	988	988	988	988	0.9	0.9	0.9	0.9	0.9
RANDOLPH	Corn for grain	9,990	9,990	9,990	9,990	9,990	8.9	8.9	8.9	8.9	8.9
RANDOLPH	Hay - All Feed Grass	299	299	299	299	299	0.3	0.3	0.3	0.3	0.3

Crop Irrigation Water Demand By County and Crop in AF and MGD

		Acre-feet					MGD				
RANDOLPH	Milo	175	175	175	175	175	0.2	0.2	0.2	0.2	0.2
RANDOLPH	Rice	120,906	142,222	142,222	142,222	142,222	107.9	127.0	127.0	127.0	127.0
RANDOLPH	Soybeans	52,449	52,449	52,449	52,449	52,449	46.8	46.8	46.8	46.8	46.8
SALINE	Hay - All Feed Grass	2,192	2,192	2,192	2,192	2,192	2.0	2.0	2.0	2.0	2.0
SCOTT	Hay - All Feed Grass	286	286	286	286	286	0.3	0.3	0.3	0.3	0.3
SEVIER	Crop Maintenance	6	6	6	6	6	0.01	0.01	0.01	0.01	0.01
SHARP	Pastures & Lawns	0.5	0.5	0.5	0.5	0.5	0.0004	0.0004	0.0004	0.0004	0.0004
ST FRANCIS	Corn for grain	7,831	9,218	10,754	10,754	10,754	7.0	8.2	9.6	9.6	9.6
ST FRANCIS	Cotton	29,473	34,691	40,472	40,472	40,472	26.3	31.0	36.1	36.1	36.1
ST FRANCIS	Hay - All Feed Grass	1,511	1,779	2,075	2,075	2,075	1.3	1.6	1.9	1.9	1.9
ST FRANCIS	Milo	1,602	1,886	2,200	2,200	2,200	1.4	1.7	2.0	2.0	2.0
ST FRANCIS	Rice	217,698	256,246	298,946	298,946	298,946	194.3	228.8	266.9	266.9	266.9
ST FRANCIS	Sorghum	136	160	186	186	186	0.1	0.1	0.2	0.2	0.2
ST FRANCIS	Soybeans	120,002	141,251	164,788	164,788	164,788	107.1	126.1	147.1	147.1	147.1
ST FRANCIS	Vegetables & Melons - Not Classified	44	52	60	60	60	0.0	0.0	0.1	0.1	0.1
WASHINGTON	Hay - All Feed Grass	80	80	80	80	80	0.1	0.1	0.1	0.1	0.1
WASHINGTON	Milo	10	10	10	10	10	0.01	0.01	0.01	0.01	0.01
WASHINGTON	oats	4	4	4	4	4	0.004	0.004	0.004	0.004	0.004
WHITE	Berries	132	132	132	132	132	0.1	0.1	0.1	0.1	0.1
WHITE	Corn for grain	2,259	2,259	2,259	2,259	2,259	2.0	2.0	2.0	2.0	2.0
WHITE	Fruit & Nut Trees	114	114	114	114	114	0.1	0.1	0.1	0.1	0.1
WHITE	Hay - All Feed Grass	613	613	613	613	613	0.5	0.5	0.5	0.5	0.5
WHITE	Reservoirs for Crops	75	75	75	75	75	0.1	0.1	0.1	0.1	0.1
WHITE	Rice	64,672	64,672	64,672	64,672	64,672	57.7	57.7	57.7	57.7	57.7
WHITE	Soybeans	38,241	38,241	38,241	38,241	38,241	34.1	34.1	34.1	34.1	34.1
WOODRUFF	Corn for grain	8,578	8,578	8,578	8,578	8,578	7.7	7.7	7.7	7.7	7.7
WOODRUFF	Cotton	3,897	3,897	3,897	3,897	3,897	3.5	3.5	3.5	3.5	3.5
WOODRUFF	Crop Maintenance	51	51	51	51	51	0.05	0.05	0.05	0.05	0.05
WOODRUFF	Hay - All Feed Grass	191	191	191	191	191	0.2	0.2	0.2	0.2	0.2
WOODRUFF	Milo	354	354	354	354	354	0.3	0.3	0.3	0.3	0.3
WOODRUFF	oats	58	58	58	58	58	0.1	0.1	0.1	0.1	0.1
WOODRUFF	Reservoirs for Crops	373	373	373	373	373	0.3	0.3	0.3	0.3	0.3
WOODRUFF	Rice	223,616	223,616	223,616	223,616	223,616	199.6	199.6	199.6	199.6	199.6
WOODRUFF	Sorghum	830	830	830	830	830	0.7	0.7	0.7	0.7	0.7
WOODRUFF	Soybeans	99,499	130,807	134,220	134,220	134,220	88.8	116.8	119.8	119.8	119.8
WOODRUFF	Vegetables & Melons - Not Classified	55	55	55	55	55	0.05	0.05	0.05	0.05	0.05
WOODRUFF	wheat	190	190	190	190	190	0.2	0.2	0.2	0.2	0.2
TOTAL		**9,875,183**	**10,649,154**	**11,135,286**	**11,223,692**	**11,246,602**	**8816.0**	**9507.0**	**9940.9**	**10019.9**	**10040.3**

Appendix J

Livestock Water Demand by County

Projected Livestock Inventory by County - Horses

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	270	270	270	270	270	270	270	270	270
Ashley	667	667	667	667	667	667	667	667	667
Baxter	1325	1,325	1,325	1,325	1,325	1,325	1,325	1,325	1,325
Benton	3415	3,415	3,415	3,415	3,415	3,415	3,415	3,415	3,415
Boone	1692	1,692	1,692	1,692	1,692	1,692	1,692	1,692	1,692
Bradley	291	291	291	291	291	291	291	291	291
Calhoun	248	248	248	248	248	248	248	248	248
Carroll	1457	1,457	1,457	1,457	1,457	1,457	1,457	1,457	1,457
Chicot	176	176	176	176	176	176	176	176	176
Clark	642	642	642	642	642	642	642	642	642
Clay	663	663	663	663	663	663	663	663	663
Cleburne	1776	1,776	1,776	1,776	1,776	1,776	1,776	1,776	1,776
Cleveland	262	262	262	262	262	262	262	262	262
Columbia	674	674	674	674	674	674	674	674	674
Conway	1594	1,594	1,594	1,594	1,594	1,594	1,594	1,594	1,594
Craighead	1018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018
Crawford	1804	1,804	1,804	1,804	1,804	1,804	1,804	1,804	1,804
Crittenden	243	243	243	243	243	243	243	243	243
Cross	271	271	271	271	271	271	271	271	271
Dallas	248	248	248	248	248	248	248	248	248
Desha	74	74	74	74	74	74	74	74	74
Drew	431	431	431	431	431	431	431	431	431
Faulkner	3196	3,196	3,196	3,196	3,196	3,196	3,196	3,196	3,196
Franklin	827	827	827	827	827	827	827	827	827
Fulton	1022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022
Garland	1347	1,347	1,347	1,347	1,347	1,347	1,347	1,347	1,347
Grant	757	757	757	757	757	757	757	757	757
Greene	946	946	946	946	946	946	946	946	946
Hempstead	1447	1,447	1,447	1,447	1,447	1,447	1,447	1,447	1,447
Hot Spring	1111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111
Howard	912	912	912	912	912	912	912	912	912
Independence	1951	1,951	1,951	1,951	1,951	1,951	1,951	1,951	1,951
Izard	1432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432
Jackson	582	582	582	582	582	582	582	582	582
Jefferson	734	734	734	734	734	734	734	734	734
Johnson	1143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143
Lafayette	435	435	435	435	435	435	435	435	435
Lawrence	737	737	737	737	737	737	737	737	737
Lee	70	70	70	70	70	70	70	70	70
Lincoln	315	315	315	315	315	315	315	315	315
Little River	1182	1,182	1,182	1,182	1,182	1,182	1,182	1,182	1,182
Logan	990	990	990	990	990	990	990	990	990
Lonoke	1327	1,327	1,327	1,327	1,327	1,327	1,327	1,327	1,327
Madison	2231	2,231	2,231	2,231	2,231	2,231	2,231	2,231	2,231
Marion	774	774	774	774	774	774	774	774	774
Miller	1223	1,223	1,223	1,223	1,223	1,223	1,223	1,223	1,223

Projected Livestock Inventory by County - Horses

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Mississippi	284	284	284	284	284	284	284	284	284
Monroe	84	84	84	84	84	84	84	84	84
Montgomery	540	540	540	540	540	540	540	540	540
Nevada	498	498	498	498	498	498	498	498	498
Newton	931	931	931	931	931	931	931	931	931
Ouachita	664	664	664	664	664	664	664	664	664
Perry	601	601	601	601	601	601	601	601	601
Phillips	205	205	205	205	205	205	205	205	205
Pike	565	565	565	565	565	565	565	565	565
Poinsett	339	339	339	339	339	339	339	339	339
Polk	1967	1,967	1,967	1,967	1,967	1,967	1,967	1,967	1,967
Pope	2149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149
Prairie	573	573	573	573	573	573	573	573	573
Pulaski	1817	1,817	1,817	1,817	1,817	1,817	1,817	1,817	1,817
Randolph	1142	1,142	1,142	1,142	1,142	1,142	1,142	1,142	1,142
Saint Francis	384	384	384	384	384	384	384	384	384
Saline	1134	1,134	1,134	1,134	1,134	1,134	1,134	1,134	1,134
Scott	841	841	841	841	841	841	841	841	841
Searcy	1062	1,062	1,062	1,062	1,062	1,062	1,062	1,062	1,062
Sebastian	1450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450
Sevier	830	830	830	830	830	830	830	830	830
Sharp	941	941	941	941	941	941	941	941	941
Stone	673	673	673	673	673	673	673	673	673
Union	905	905	905	905	905	905	905	905	905
Van Buren	1108	1,108	1,108	1,108	1,108	1,108	1,108	1,108	1,108
Washington	4808	4,808	4,808	4,808	4,808	4,808	4,808	4,808	4,808
White	4693	4,693	4,693	4,693	4,693	4,693	4,693	4,693	4,693
Woodruff	109	109	109	109	109	109	109	109	109
Yell	1739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739
State Total	**78,968**	**78,968**	**78,968**	**78,968**	**78,968**	**78,968**	**78,968**	**78,968**	**78,968**

[1] Baseline data from the 2007 Census of Agriculture

Projected Livestock Inventory by County - Chickens (Broilers & Layers)

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	337	340	355	360	360	360	360	360	360
Ashley	886	894	937	952	952	952	952	952	952
Baxter	1,734	1,749	1,829	1,858	1,858	1,858	1,858	1,858	1,858
Benton	22,024,841	22,599,674	24,465,772	25,005,607	25,005,607	25,005,607	25,005,607	25,005,607	25,005,607
Boone	4,625,480	4,748,602	5,145,720	5,260,155	5,260,155	5,260,155	5,260,155	5,260,155	5,260,155
Bradley	1,557,075	1,593,728	1,716,995	1,753,394	1,753,394	1,753,394	1,753,394	1,753,394	1,753,394
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	9,447,483	9,685,417	10,467,101	10,694,836	10,694,836	10,694,836	10,694,836	10,694,836	10,694,836
Chicot	114	115	120	122	122	122	122	122	122
Clark	575,540	586,937	627,825	640,326	640,326	640,326	640,326	640,326	640,326
Clay	666	677	719	733	733	733	733	733	733
Cleburne	2,380,891	2,438,854	2,631,504	2,688,011	2,688,011	2,688,011	2,688,011	2,688,011	2,688,011
Cleveland	7,980,133	8,193,247	8,879,891	9,077,629	9,077,629	9,077,629	9,077,629	9,077,629	9,077,629
Columbia	2,431,691	2,495,029	2,700,783	2,760,328	2,760,328	2,760,328	2,760,328	2,760,328	2,760,328
Conway	7,098,796	7,293,279	7,914,749	8,092,821	8,092,821	8,092,821	8,092,821	8,092,821	8,092,821
Craighead	215	217	228	231	231	231	231	231	231
Crawford	2,110,713	2,165,770	2,344,538	2,396,259	2,396,259	2,396,259	2,396,259	2,396,259	2,396,259
Crittenden	905	912	952	967	967	967	967	967	967
Cross	84	85	88	90	90	90	90	90	90
Dallas	66	67	69	71	71	71	71	71	71
Desha	-	-	-	-	-	-	-	-	-
Drew	903,903	925,558	997,937	1,019,234	1,019,234	1,019,234	1,019,234	1,019,234	1,019,234
Faulkner	161	165	180	184	184	184	184	184	184
Franklin	3,480,966	3,575,460	3,878,307	3,965,240	3,965,240	3,965,240	3,965,240	3,965,240	3,965,240
Fulton	843	849	887	901	901	901	901	901	901
Garland	122,839	123,784	129,279	131,288	131,288	131,288	131,288	131,288	131,288
Grant	727,247	747,310	811,279	829,584	829,584	829,584	829,584	829,584	829,584
Greene	615	620	649	660	660	660	660	660	660
Hempstead	9,037,625	9,282,505	10,067,801	10,293,304	10,293,304	10,293,304	10,293,304	10,293,304	10,293,304
Hot Spring	411,164	414,323	432,708	439,432	439,432	439,432	439,432	439,432	439,432
Howard	8,807,582	9,041,999	9,798,116	10,016,005	10,016,005	10,016,005	10,016,005	10,016,005	10,016,005
Independence	3,136,956	3,221,878	3,494,288	3,572,527	3,572,527	3,572,527	3,572,527	3,572,527	3,572,527
Izard	1,655,850	1,701,543	1,847,220	1,888,902	1,888,902	1,888,902	1,888,902	1,888,902	1,888,902
Jackson	73	74	77	78	78	78	78	78	78
Jefferson	1,382,360	1,420,520	1,542,166	1,576,970	1,576,970	1,576,970	1,576,970	1,576,970	1,576,970
Johnson	5,201,585	5,340,867	5,789,238	5,918,291	5,918,291	5,918,291	5,918,291	5,918,291	5,918,291
Lafayette	4,055,396	4,164,130	4,514,012	4,614,691	4,614,691	4,614,691	4,614,691	4,614,691	4,614,691
Lawrence	1,703,048	1,748,452	1,894,823	1,936,988	1,936,988	1,936,988	1,936,988	1,936,988	1,936,988
Lee	165	166	174	176	176	176	176	176	176
Lincoln	7,490,720	7,694,791	8,348,076	8,535,470	8,535,470	8,535,470	8,535,470	8,535,470	8,535,470
Little River	3,567,720	3,665,676	3,978,475	4,068,064	4,068,064	4,068,064	4,068,064	4,068,064	4,068,064
Logan	7,916,930	8,133,597	8,826,191	9,024,684	9,024,684	9,024,684	9,024,684	9,024,684	9,024,684
Lonoke	366,646	376,752	408,984	418,208	418,208	418,208	418,208	418,208	418,208
Madison	7,545,764	7,746,164	8,393,013	8,579,494	8,579,494	8,579,494	8,579,494	8,579,494	8,579,494
Marion	332,838	342,026	371,315	379,695	379,695	379,695	379,695	379,695	379,695
Miller	1,520,603	1,561,005	1,691,396	1,728,984	1,728,984	1,728,984	1,728,984	1,728,984	1,728,984
Mississippi	191	192	201	204	204	204	204	204	204
Monroe	206	208	217	220	220	220	220	220	220
Montgomery	1,891,820	1,934,282	2,079,549	2,122,857	2,122,857	2,122,857	2,122,857	2,122,857	2,122,857
Nevada	2,581,428	2,647,186	2,862,393	2,924,949	2,924,949	2,924,949	2,924,949	2,924,949	2,924,949
Newton	42,517	42,844	44,745	45,440	45,440	45,440	45,440	45,440	45,440
Ouachita	1,072,251	1,101,039	1,193,632	1,220,269	1,220,269	1,220,269	1,220,269	1,220,269	1,220,269
Perry	1,630,440	1,675,442	1,818,904	1,859,951	1,859,951	1,859,951	1,859,951	1,859,951	1,859,951
Phillips	-	-	-	-	-	-	-	-	-
Pike	2,689,405	2,750,411	2,958,318	3,020,168	3,020,168	3,020,168	3,020,168	3,020,168	3,020,168
Poinsett	95	96	100	102	102	102	102	102	102
Polk	6,527,773	6,701,954	7,263,311	7,424,996	7,424,996	7,424,996	7,424,996	7,424,996	7,424,996
Pope	7,331,438	7,527,484	8,158,869	8,340,647	8,340,647	8,340,647	8,340,647	8,340,647	8,340,647
Prairie	380	383	400	406	406	406	406	406	406

Projected Livestock Inventory by County - Chickens (Broilers & Layers)

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Pulaski	428,855	440,677	478,378	489,168	489,168	489,168	489,168	489,168	489,168
Randolph	705,078	724,542	786,588	804,340	804,340	804,340	804,340	804,340	804,340
Saint Francis	645	651	681	692	692	692	692	692	692
Saline	906	913	953	968	968	968	968	968	968
Scott	5,517,937	5,660,653	6,125,350	6,260,022	6,260,022	6,260,022	6,260,022	6,260,022	6,260,022
Searcy	686	692	724	736	736	736	736	736	736
Sebastian	3,835,589	3,939,655	4,273,235	4,369,000	4,369,000	4,369,000	4,369,000	4,369,000	4,369,000
Sevier	8,035,234	8,255,807	8,960,204	9,161,959	9,161,959	9,161,959	9,161,959	9,161,959	9,161,959
Sharp	2,739,385	2,805,954	3,027,348	3,092,309	3,092,309	3,092,309	3,092,309	3,092,309	3,092,309
Stone	1,840,890	1,891,700	2,053,680	2,100,025	2,100,025	2,100,025	2,100,025	2,100,025	2,100,025
Union	4,392,003	4,512,397	4,897,048	5,007,251	5,007,251	5,007,251	5,007,251	5,007,251	5,007,251
Van Buren	444,992	457,256	496,373	507,568	507,568	507,568	507,568	507,568	507,568
Washington	21,969,782	22,546,729	24,415,878	24,955,937	24,955,937	24,955,937	24,955,937	24,955,937	24,955,937
White	1,504,823	1,544,110	1,671,636	1,708,525	1,708,525	1,708,525	1,708,525	1,708,525	1,708,525
Woodruff	-	-	-	-	-	-	-	-	-
Yell	10,290,245	10,567,660	11,458,745	11,714,880	11,714,880	11,714,880	11,714,880	11,714,880	11,714,880
State Total	**215,082,244**	**220,766,726**	**239,144,225**	**244,447,393**	**244,447,393**	**244,447,393**	**244,447,393**	**244,447,393**	**244,447,393**

1 Baseline data from the 2007 Census of Agriculture

2 Annual average increase taken from USDA Agricultural Projections

***Broilers and Layers are estimated separately because of differing agricultural projections

Projected Livestock Inventory by County - Turkeys

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	0	0	0	0	0	0	0	0
Ashley	81	82	88	91	91	91	91	91	91
Baxter	107,028	108,261	116,928	119,660	119,660	119,660	119,660	119,660	119,660
Benton	577,344	583,997	630,746	645,485	645,485	645,485	645,485	645,485	645,485
Boone	836,893	846,536	914,303	935,667	935,667	935,667	935,667	935,667	935,667
Bradley	15	15	16	17	17	17	17	17	17
Calhoun	-	0	0	0	0	0	0	0	0
Carroll	2,140,951	2,165,621	2,338,982	2,393,636	2,393,636	2,393,636	2,393,636	2,393,636	2,393,636
Chicot	26	26	28	29	29	29	29	29	29
Clark	39	39	43	44	44	44	44	44	44
Clay	8	8	8	9	9	9	9	9	9
Cleburne	68	69	74	76	76	76	76	76	76
Cleveland	-	0	0	0	0	0	0	0	0
Columbia	-	0	0	0	0	0	0	0	0
Conway	-	0	0	0	0	0	0	0	0
Craighead	-	0	0	0	0	0	0	0	0
Crawford	83,051	84,008	90,733	92,853	92,853	92,853	92,853	92,853	92,853
Crittenden	34	34	37	38	38	38	38	38	38
Cross	-	0	0	0	0	0	0	0	0
Dallas	-	0	0	0	0	0	0	0	0
Desha	-	0	0	0	0	0	0	0	0
Drew	-	0	0	0	0	0	0	0	0
Faulkner	22	22	24	25	25	25	25	25	25
Franklin	1,063,834	1,076,092	1,162,235	1,189,393	1,189,393	1,189,393	1,189,393	1,189,393	1,189,393
Fulton	36	36	39	40	40	40	40	40	40
Garland	18	18	20	20	20	20	20	20	20
Grant	19	19	20	21	21	21	21	21	21
Greene	26	26	28	29	29	29	29	29	29
Hempstead	12	12	13	13	13	13	13	13	13
Hot Spring	31	31	34	34	34	34	34	34	34
Howard	-	0	0	0	0	0	0	0	0
Independence	110	111	120	123	123	123	123	123	123
Izard	24	24	26	27	27	27	27	27	27
Jackson	52	52	56	58	58	58	58	58	58
Jefferson	-	0	0	0	0	0	0	0	0
Johnson	803,666	812,927	878,003	898,518	898,518	898,518	898,518	898,518	898,518
Lafayette	-	0	0	0	0	0	0	0	0
Lawrence	12	12	13	13	13	13	13	13	13
Lee	-	0	0	0	0	0	0	0	0
Lincoln	-	0	0	0	0	0	0	0	0
Little River	-	0	0	0	0	0	0	0	0
Logan	588,014	594,790	642,403	657,414	657,414	657,414	657,414	657,414	657,414
Lonoke	-	0	0	0	0	0	0	0	0
Madison	1,034,778	1,046,702	1,130,492	1,156,907	1,156,907	1,156,907	1,156,907	1,156,907	1,156,907
Marion	577,248	583,900	630,642	645,378	645,378	645,378	645,378	645,378	645,378
Miller	27	28	30	31	31	31	31	31	31
Mississippi	-	0	0	0	0	0	0	0	0
Monroe	-	0	0	0	0	0	0	0	0
Montgomery	-	0	0	0	0	0	0	0	0

Projected Livestock Inventory by County - Turkeys

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Nevada	-	0	0	0	0	0	0	0	0
Newton	177,633	179,680	194,063	198,598	198,598	198,598	198,598	198,598	198,598
Ouachita	11	11	12	12	12	12	12	12	12
Perry	-	0	0	0	0	0	0	0	0
Phillips	-	0	0	0	0	0	0	0	0
Pike	-	0	0	0	0	0	0	0	0
Poinsett	-	0	0	0	0	0	0	0	0
Polk	24	24	26	27	27	27	27	27	27
Pope	18	18	20	20	20	20	20	20	20
Prairie	10	10	11	11	11	11	11	11	11
Pulaski	28	28	31	31	31	31	31	31	31
Randolph	24	24	26	27	27	27	27	27	27
Saint Francis	-	0	0	0	0	0	0	0	0
Saline	21	21	23	23	23	23	23	23	23
Scott	10	10	11	11	11	11	11	11	11
Searcy	12	12	13	14	14	14	14	14	14
Sebastian	26	26	28	29	29	29	29	29	29
Sevier	-	0	0	0	0	0	0	0	0
Sharp	65	66	71	73	73	73	73	73	73
Stone	-	0	0	0	0	0	0	0	0
Union	40	40	44	45	45	45	45	45	45
Van Buren	42	42	46	47	47	47	47	47	47
Washington	1,347,582	1,363,110	1,472,229	1,506,630	1,506,630	1,506,630	1,506,630	1,506,630	1,506,630
White	54	55	59	60	60	60	60	60	60
Woodruff	-	0	0	0	0	0	0	0	0
Yell	26	26	28	29	29	29	29	29	29
State Total	**9,339,092**	**9,446,706**	**10,202,928**	**10,441,336**	**10,441,336**	**10,441,336**	**10,441,336**	**10,441,336**	**10,441,336**

[1] Baseline data from the 2007 Census of Agriculture

[2] Annual average increase taken from USDA Agricultural Projections

Projected Livestock Inventory by County - Hogs

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	42	42	42	42	42	42	42	42	42
Ashley	62	62	62	62	62	62	62	62	62
Baxter	56	56	56	56	56	56	56	56	56
Benton	10,281	10,281	10,281	10,281	10,281	10,281	10,281	10,281	10,281
Boone	61	61	61	61	61	61	61	61	61
Bradley	11	11	11	11	11	11	11	11	11
Calhoun	8	8	8	8	8	8	8	8	8
Carroll	139	139	139	139	139	139	139	139	139
Chicot	12	12	12	12	12	12	12	12	12
Clark	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796
Clay	9	9	9	9	9	9	9	9	9
Cleburne	27	27	27	27	27	27	27	27	27
Cleveland	16	16	16	16	16	16	16	16	16
Columbia	21	21	21	21	21	21	21	21	21
Conway	9,950	9,950	9,950	9,950	9,950	9,950	9,950	9,950	9,950
Craighead	94	94	94	94	94	94	94	94	94
Crawford	81	81	81	81	81	81	81	81	81
Crittenden	2	2	2	2	2	2	2	2	2
Cross	2	2	2	2	2	2	2	2	2
Dallas	50	50	50	50	50	50	50	50	50
Desha	0	0	0	0	0	0	0	0	0
Drew	44	44	44	44	44	44	44	44	44
Faulkner	128	128	128	128	128	128	128	128	128
Franklin	57	57	57	57	57	57	57	57	57
Fulton	22	22	22	22	22	22	22	22	22
Garland	413	413	413	413	413	413	413	413	413
Grant	20	20	20	20	20	20	20	20	20
Greene	55	55	55	55	55	55	55	55	55
Hempstead	1,845	1,845	1,845	1,845	1,845	1,845	1,845	1,845	1,845
Hot Spring	33	33	33	33	33	33	33	33	33
Howard	16,255	16,255	16,255	16,255	16,255	16,255	16,255	16,255	16,255
Independence	82	82	82	82	82	82	82	82	82
Izard	0	0	0	0	0	0	0	0	0
Jackson	114	114	114	114	114	114	114	114	114
Jefferson	103	103	103	103	103	103	103	103	103
Johnson	4,617	4,617	4,617	4,617	4,617	4,617	4,617	4,617	4,617
Lafayette	30	30	30	30	30	30	30	30	30
Lawrence	14	14	14	14	14	14	14	14	14
Lee	76	76	76	76	76	76	76	76	76
Lincoln	0	0	0	0	0	0	0	0	0
Little River	2,651	2,651	2,651	2,651	2,651	2,651	2,651	2,651	2,651
Logan	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466	1,466
Lonoke	77	77	77	77	77	77	77	77	77
Madison	111	111	111	111	111	111	111	111	111
Marion	97	97	97	97	97	97	97	97	97

Projected Livestock Inventory by County - Hogs

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Miller	20	20	20	20	20	20	20	20	20
Mississippi	4	4	4	4	4	4	4	4	4
Monroe	184	184	184	184	184	184	184	184	184
Montgomery	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557
Nevada	24	24	24	24	24	24	24	24	24
Newton	499	499	499	499	499	499	499	499	499
Ouachita	39	39	39	39	39	39	39	39	39
Perry	1,803	1,803	1,803	1,803	1,803	1,803	1,803	1,803	1,803
Phillips	24	24	24	24	24	24	24	24	24
Pike	10,129	10,129	10,129	10,129	10,129	10,129	10,129	10,129	10,129
Poinsett	0	0	0	0	0	0	0	0	0
Polk	6,491	6,491	6,491	6,491	6,491	6,491	6,491	6,491	6,491
Pope	7,912	7,912	7,912	7,912	7,912	7,912	7,912	7,912	7,912
Prairie	6	6	6	6	6	6	6	6	6
Pulaski	77	77	77	77	77	77	77	77	77
Randolph	38	38	38	38	38	38	38	38	38
Saint Francis	45	45	45	45	45	45	45	45	45
Saline	23	23	23	23	23	23	23	23	23
Scott	28	28	28	28	28	28	28	28	28
Searcy	426	426	426	426	426	426	426	426	426
Sebastian	20	20	20	20	20	20	20	20	20
Sevier	8,724	8,724	8,724	8,724	8,724	8,724	8,724	8,724	8,724
Sharp	107	107	107	107	107	107	107	107	107
Stone	29	29	29	29	29	29	29	29	29
Union	24	24	24	24	24	24	24	24	24
Van Buren	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176	1,176
Washington	10,765	10,765	10,765	10,765	10,765	10,765	10,765	10,765	10,765
White	316	316	316	316	316	316	316	316	316
Woodruff	0	0	0	0	0	0	0	0	0
Yell	5,476	5,476	5,476	5,476	5,476	5,476	5,476	5,476	5,476
State Total	**110,000**	**110,000**	**110,000**	**110,000**	**110,000**	**110,000**	**110,000**	**110,000**	**110,000**

[1] Baseline data derived from the 2012 NASS statewide hog total with 2007 Ag Census County Data Ratios

[2] Annual average increase taken from USDA Agricultural Projections

Projected Livestock Inventory by County - Sheep

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0	0	0	0	0	0	0	0	0
Ashley	10	10	10	10	10	10	10	10	10
Baxter	212	212	212	212	212	212	212	212	212
Benton	627	627	627	627	627	627	627	627	627
Boone	413	413	413	413	413	413	413	413	413
Bradley	152	152	152	152	152	152	152	152	152
Calhoun	0	0	0	0	0	0	0	0	0
Carroll	611	611	611	611	611	611	611	611	611
Chicot	0	0	0	0	0	0	0	0	0
Clark	73	73	73	73	73	73	73	73	73
Clay	0	0	0	0	0	0	0	0	0
Cleburne	101	101	101	101	101	101	101	101	101
Cleveland	0	0	0	0	0	0	0	0	0
Columbia	54	54	54	54	54	54	54	54	54
Conway	249	249	249	249	249	249	249	249	249
Craighead	90	90	90	90	90	90	90	90	90
Crawford	375	375	375	375	375	375	375	375	375
Crittenden	40	40	40	40	40	40	40	40	40
Cross	18	18	18	18	18	18	18	18	18
Dallas	30	30	30	30	30	30	30	30	30
Desha	0	0	0	0	0	0	0	0	0
Drew	22	22	22	22	22	22	22	22	22
Faulkner	623	623	623	623	623	623	623	623	623
Franklin	459	459	459	459	459	459	459	459	459
Fulton	122	122	122	122	122	122	122	122	122
Garland	95	95	95	95	95	95	95	95	95
Grant	0	0	0	0	0	0	0	0	0
Greene	124	124	124	124	124	124	124	124	124
Hempstead	36	36	36	36	36	36	36	36	36
Hot Spring	24	24	24	24	24	24	24	24	24
Howard	1247	1,247	1,247	1,247	1,247	1,247	1,247	1,247	1,247
Independence	200	200	200	200	200	200	200	200	200
Izard	34	34	34	34	34	34	34	34	34
Jackson	192	192	192	192	192	192	192	192	192
Jefferson	22	22	22	22	22	22	22	22	22
Johnson	25	25	25	25	25	25	25	25	25
Lafayette	0	0	0	0	0	0	0	0	0
Lawrence	149	149	149	149	149	149	149	149	149
Lee	0	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0
Little River	13	13	13	13	13	13	13	13	13
Logan	933	933	933	933	933	933	933	933	933
Lonoke	24	24	24	24	24	24	24	24	24
Madison	585	585	585	585	585	585	585	585	585
Marion	208	208	208	208	208	208	208	208	208
Miller	142	142	142	142	142	142	142	142	142
Mississippi	0	0	0	0	0	0	0	0	0

Projected Livestock Inventory by County - Sheep

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Monroe	0	0	0	0	0	0	0	0	0
Montgomery	38	38	38	38	38	38	38	38	38
Nevada	191	191	191	191	191	191	191	191	191
Newton	51	51	51	51	51	51	51	51	51
Ouachita	31	31	31	31	31	31	31	31	31
Perry	581	581	581	581	581	581	581	581	581
Phillips	0	0	0	0	0	0	0	0	0
Pike	0	0	0	0	0	0	0	0	0
Poinsett	0	0	0	0	0	0	0	0	0
Polk	685	685	685	685	685	685	685	685	685
Pope	589	589	589	589	589	589	589	589	589
Prairie	342	342	342	342	342	342	342	342	342
Pulaski	201	201	201	201	201	201	201	201	201
Randolph	370	370	370	370	370	370	370	370	370
Saint Francis	0	0	0	0	0	0	0	0	0
Saline	181	181	181	181	181	181	181	181	181
Scott	84	84	84	84	84	84	84	84	84
Searcy	63	63	63	63	63	63	63	63	63
Sebastian	493	493	493	493	493	493	493	493	493
Sevier	760	760	760	760	760	760	760	760	760
Sharp	301	301	301	301	301	301	301	301	301
Stone	110	110	110	110	110	110	110	110	110
Union	48	48	48	48	48	48	48	48	48
Van Buren	93	93	93	93	93	93	93	93	93
Washington	1769	1,769	1,769	1,769	1,769	1,769	1,769	1,769	1,769
White	673	673	673	673	673	673	673	673	673
Woodruff	0	0	0	0	0	0	0	0	0
Yell	209	209	209	209	209	209	209	209	209
Statewide Total	**16,197**	**16,197**	**16,197**	**16,197**	**16,197**	**16,197**	**16,197**	**16,197**	**16,197**

[1] Baseline data from the 2007 Census of Agriculture

Projected Livestock Inventory by County - Goats

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	56	56	56	56	56	56	56	56	56
Ashley	362	362	362	362	362	362	362	362	362
Baxter	587	587	587	587	587	587	587	587	587
Benton	1409	1,409	1,409	1,409	1,409	1,409	1,409	1,409	1,409
Boone	2978	2,978	2,978	2,978	2,978	2,978	2,978	2,978	2,978
Bradley	359	359	359	359	359	359	359	359	359
Calhoun	68	68	68	68	68	68	68	68	68
Carroll	1882	1,882	1,882	1,882	1,882	1,882	1,882	1,882	1,882
Chicot	86	86	86	86	86	86	86	86	86
Clark	490	490	490	490	490	490	490	490	490
Clay	299	299	299	299	299	299	299	299	299
Cleburne	1082	1,082	1,082	1,082	1,082	1,082	1,082	1,082	1,082
Cleveland	156	156	156	156	156	156	156	156	156
Columbia	323	323	323	323	323	323	323	323	323
Conway	447	447	447	447	447	447	447	447	447
Craighead	516	516	516	516	516	516	516	516	516
Crawford	607	607	607	607	607	607	607	607	607
Crittenden	117	117	117	117	117	117	117	117	117
Cross	205	205	205	205	205	205	205	205	205
Dallas	208	208	208	208	208	208	208	208	208
Desha	142	142	142	142	142	142	142	142	142
Drew	451	451	451	451	451	451	451	451	451
Faulkner	1731	1,731	1,731	1,731	1,731	1,731	1,731	1,731	1,731
Franklin	453	453	453	453	453	453	453	453	453
Fulton	1379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379
Garland	400	400	400	400	400	400	400	400	400
Grant	771	771	771	771	771	771	771	771	771
Greene	1007	1,007	1,007	1,007	1,007	1,007	1,007	1,007	1,007
Hempstead	547	547	547	547	547	547	547	547	547
Hot Spring	1220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220
Howard	288	288	288	288	288	288	288	288	288
Independence	1274	1,274	1,274	1,274	1,274	1,274	1,274	1,274	1,274
Izard	424	424	424	424	424	424	424	424	424
Jackson	264	264	264	264	264	264	264	264	264
Jefferson	184	184	184	184	184	184	184	184	184
Johnson	764	764	764	764	764	764	764	764	764
Lafayette	131	131	131	131	131	131	131	131	131
Lawrence	914	914	914	914	914	914	914	914	914
Lee	50	50	50	50	50	50	50	50	50
Lincoln	192	192	192	192	192	192	192	192	192
Little River	641	641	641	641	641	641	641	641	641
Logan	700	700	700	700	700	700	700	700	700
Lonoke	611	611	611	611	611	611	611	611	611
Madison	1002	1,002	1,002	1,002	1,002	1,002	1,002	1,002	1,002
Marion	2497	2,497	2,497	2,497	2,497	2,497	2,497	2,497	2,497
Miller	220	220	220	220	220	220	220	220	220

Projected Livestock Inventory by County - Goats

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Mississippi	93	93	93	93	93	93	93	93	93
Monroe	157	157	157	157	157	157	157	157	157
Montgomery	90	90	90	90	90	90	90	90	90
Nevada	135	135	135	135	135	135	135	135	135
Newton	2816	2,816	2,816	2,816	2,816	2,816	2,816	2,816	2,816
Ouachita	336	336	336	336	336	336	336	336	336
Perry	478	478	478	478	478	478	478	478	478
Phillips	0	0	0	0	0	0	0	0	0
Pike	113	113	113	113	113	113	113	113	113
Poinsett	156	156	156	156	156	156	156	156	156
Polk	954	954	954	954	954	954	954	954	954
Pope	800	800	800	800	800	800	800	800	800
Prairie	369	369	369	369	369	369	369	369	369
Pulaski	554	554	554	554	554	554	554	554	554
Randolph	1834	1,834	1,834	1,834	1,834	1,834	1,834	1,834	1,834
Saint Francis	240	240	240	240	240	240	240	240	240
Saline	960	960	960	960	960	960	960	960	960
Scott	300	300	300	300	300	300	300	300	300
Searcy	1095	1,095	1,095	1,095	1,095	1,095	1,095	1,095	1,095
Sebastian	404	404	404	404	404	404	404	404	404
Sevier	851	851	851	851	851	851	851	851	851
Sharp	1036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036
Stone	1136	1,136	1,136	1,136	1,136	1,136	1,136	1,136	1,136
Union	304	304	304	304	304	304	304	304	304
Van Buren	530	530	530	530	530	530	530	530	530
Washington	1991	1,991	1,991	1,991	1,991	1,991	1,991	1,991	1,991
White	2147	2,147	2,147	2,147	2,147	2,147	2,147	2,147	2,147
Woodruff	0	0	0	0	0	0	0	0	0
Yell	206	206	206	206	206	206	206	206	206
Statewide Total	**50,579**	**50,579**	**50,579**	**50,579**	**50,579**	**50,579**	**50,579**	**50,579**	**50,579**

[1] Baseline data from the 2007 Census of Agriculture

Projected Livestock Inventory by County - Beef Cattle

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	1,226	1,226	1,272	1,282	1,282	1,282	1,282	1,282	1,282
Ashley	2,153	2,153	2,233	2,251	2,251	2,251	2,251	2,251	2,251
Baxter	9,704	9,704	10,064	10,149	10,149	10,149	10,149	10,149	10,149
Benton	50,226	50,226	52,090	52,533	52,533	52,533	52,533	52,533	52,533
Boone	30,463	30,463	31,594	31,862	31,862	31,862	31,862	31,862	31,862
Bradley	2,651	2,651	2,749	2,772	2,772	2,772	2,772	2,772	2,772
Calhoun	881	881	914	922	922	922	922	922	922
Carroll	36,218	36,218	37,562	37,882	37,882	37,882	37,882	37,882	37,882
Chicot	1,938	1,938	2,010	2,027	2,027	2,027	2,027	2,027	2,027
Clark	7,510	7,510	7,789	7,855	7,855	7,855	7,855	7,855	7,855
Clay	4,294	4,294	4,453	4,491	4,491	4,491	4,491	4,491	4,491
Cleburne	14,077	14,077	14,599	14,723	14,723	14,723	14,723	14,723	14,723
Cleveland	3,622	3,622	3,757	3,789	3,789	3,789	3,789	3,789	3,789
Columbia	7,033	7,033	7,294	7,356	7,356	7,356	7,356	7,356	7,356
Conway	19,555	19,555	20,281	20,453	20,453	20,453	20,453	20,453	20,453
Craighead	3,464	3,464	3,593	3,624	3,624	3,624	3,624	3,624	3,624
Crawford	14,360	14,360	14,893	15,020	15,020	15,020	15,020	15,020	15,020
Crittenden	502	502	520	525	525	525	525	525	525
Cross	868	868	900	908	908	908	908	908	908
Dallas	1,430	1,430	1,483	1,496	1,496	1,496	1,496	1,496	1,496
Desha	1,234	1,234	1,280	1,290	1,290	1,290	1,290	1,290	1,290
Drew	4,052	4,052	4,202	4,238	4,238	4,238	4,238	4,238	4,238
Faulkner	20,660	20,660	21,427	21,609	21,609	21,609	21,609	21,609	21,609
Franklin	21,032	21,032	21,813	21,998	21,998	21,998	21,998	21,998	21,998
Fulton	17,689	17,689	18,346	18,502	18,502	18,502	18,502	18,502	18,502
Garland	3,699	3,699	3,837	3,869	3,869	3,869	3,869	3,869	3,869
Grant	4,138	4,138	4,291	4,328	4,328	4,328	4,328	4,328	4,328
Greene	4,009	4,009	4,157	4,193	4,193	4,193	4,193	4,193	4,193
Hempstead	35,475	35,475	36,792	37,105	37,105	37,105	37,105	37,105	37,105
Hot Spring	8,125	8,125	8,427	8,499	8,499	8,499	8,499	8,499	8,499
Howard	21,309	21,309	22,100	22,288	22,288	22,288	22,288	22,288	22,288
Independence	22,716	22,716	23,559	23,760	23,760	23,760	23,760	23,760	23,760
Izard	15,727	15,727	16,311	16,450	16,450	16,450	16,450	16,450	16,450
Jackson	5,454	5,454	5,657	5,705	5,705	5,705	5,705	5,705	5,705
Jefferson	1,772	1,772	1,838	1,854	1,854	1,854	1,854	1,854	1,854
Johnson	14,545	14,545	15,085	15,213	15,213	15,213	15,213	15,213	15,213
Lafayette	9,525	9,525	9,879	9,963	9,963	9,963	9,963	9,963	9,963
Lawrence	10,602	10,602	10,996	11,089	11,089	11,089	11,089	11,089	11,089
Lee	1,096	1,096	1,137	1,146	1,146	1,146	1,146	1,146	1,146
Lincoln	5,419	5,419	5,620	5,668	5,668	5,668	5,668	5,668	5,668
Little River	17,262	17,262	17,903	18,055	18,055	18,055	18,055	18,055	18,055
Logan	27,161	27,161	28,169	28,408	28,408	28,408	28,408	28,408	28,408
Lonoke	8,984	8,984	9,318	9,397	9,397	9,397	9,397	9,397	9,397
Madison	36,198	36,198	37,541	37,860	37,860	37,860	37,860	37,860	37,860
Marion	13,646	13,646	14,152	14,273	14,273	14,273	14,273	14,273	14,273

Projected Livestock Inventory by County - Beef Cattle

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Miller	11,884	11,884	12,325	12,430	12,430	12,430	12,430	12,430	12,430
Mississippi	916	916	950	958	958	958	958	958	958
Monroe	371	371	385	388	388	388	388	388	388
Montgomery	10,307	10,307	10,689	10,780	10,780	10,780	10,780	10,780	10,780
Nevada	10,034	10,034	10,406	10,495	10,495	10,495	10,495	10,495	10,495
Newton	12,041	12,041	12,487	12,594	12,594	12,594	12,594	12,594	12,594
Ouachita	2,063	2,063	2,140	2,158	2,158	2,158	2,158	2,158	2,158
Perry	9,780	9,780	10,143	10,229	10,229	10,229	10,229	10,229	10,229
Phillips	1,930	1,930	2,002	2,019	2,019	2,019	2,019	2,019	2,019
Pike	11,432	11,432	11,857	11,958	11,958	11,958	11,958	11,958	11,958
Poinsett	1,189	1,189	1,234	1,244	1,244	1,244	1,244	1,244	1,244
Polk	21,698	21,698	22,503	22,695	22,695	22,695	22,695	22,695	22,695
Pope	22,423	22,423	23,255	23,453	23,453	23,453	23,453	23,453	23,453
Prairie	3,462	3,462	3,591	3,622	3,622	3,622	3,622	3,622	3,622
Pulaski	4,856	4,856	5,036	5,079	5,079	5,079	5,079	5,079	5,079
Randolph	17,296	17,296	17,938	18,091	18,091	18,091	18,091	18,091	18,091
Saint Francis	1,101	1,101	1,142	1,151	1,151	1,151	1,151	1,151	1,151
Saline	4,204	4,204	4,360	4,397	4,397	4,397	4,397	4,397	4,397
Scott	13,383	13,383	13,880	13,998	13,998	13,998	13,998	13,998	13,998
Searcy	16,872	16,872	17,499	17,647	17,647	17,647	17,647	17,647	17,647
Sebastian	14,785	14,785	15,334	15,464	15,464	15,464	15,464	15,464	15,464
Sevier	21,629	21,629	22,432	22,622	22,622	22,622	22,622	22,622	22,622
Sharp	15,971	15,971	16,564	16,704	16,704	16,704	16,704	16,704	16,704
Stone	13,199	13,199	13,689	13,806	13,806	13,806	13,806	13,806	13,806
Union	4,511	4,511	4,679	4,719	4,719	4,719	4,719	4,719	4,719
Van Buren	10,725	10,725	11,123	11,217	11,217	11,217	11,217	11,217	11,217
Washington	56,644	56,644	58,747	59,246	59,246	59,246	59,246	59,246	59,246
White	27,563	27,563	28,586	28,829	28,829	28,829	28,829	28,829	28,829
Woodruff	607	607	629	635	635	635	635	635	635
Yell	22,418	22,418	23,250	23,447	23,447	23,447	23,447	23,447	23,447
State Total	**909,000**	**909,000**	**942,742**	**950,754**	**950,754**	**950,754**	**950,754**	**950,754**	**950,754**

[1] Baseline data derived from the 2012 NASS statewide cattle/dairy cow totals with 2007 Ag Census County Data Ratios

2 Annual average increase taken from USDA Agricultural Projections to 2022, February 2013.

***Cattle and dairy cows are estimated separately because of the differing water requirements and differing agricultural projections

Projected Livestock Inventory by County - Dairy Cows

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0	0	0	0	0	0	0	0	0
Ashley	0	0	0	0	0	0	0	0	0
Baxter	0	0	0	0	0	0	0	0	0
Benton	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398
Boone	98	98	98	98	98	98	98	98	98
Bradley	0	0	0	0	0	0	0	0	0
Calhoun	0	0	0	0	0	0	0	0	0
Carroll	585	585	585	585	585	585	585	585	585
Chicot	0	0	0	0	0	0	0	0	0
Clark	233	233	233	233	233	233	233	233	233
Clay	0	0	0	0	0	0	0	0	0
Cleburne	549	549	549	549	549	549	549	549	549
Cleveland	0	0	0	0	0	0	0	0	0
Columbia	58	58	58	58	58	58	58	58	58
Conway	601	601	601	601	601	601	601	601	601
Craighead	0	0	0	0	0	0	0	0	0
Crawford	264	264	264	264	264	264	264	264	264
Crittenden	0	0	0	0	0	0	0	0	0
Cross	0	0	0	0	0	0	0	0	0
Dallas	0	0	0	0	0	0	0	0	0
Desha	0	0	0	0	0	0	0	0	0
Drew	0	0	0	0	0	0	0	0	0
Faulkner	690	690	690	690	690	690	690	690	690
Franklin	350	350	350	350	350	350	350	350	350
Fulton	232	232	232	232	232	232	232	232	232
Garland	96	96	96	96	96	96	96	96	96
Grant	0	0	0	0	0	0	0	0	0
Greene	0	0	0	0	0	0	0	0	0
Hempstead	303	303	303	303	303	303	303	303	303
Hot Spring	118	118	118	118	118	118	118	118	118
Howard	0	0	0	0	0	0	0	0	0
Independence	69	69	69	69	69	69	69	69	69
Izard	97	97	97	97	97	97	97	97	97
Jackson	7	7	7	7	7	7	7	7	7
Jefferson	0	0	0	0	0	0	0	0	0
Johnson	10	10	10	10	10	10	10	10	10
Lafayette	0	0	0	0	0	0	0	0	0
Lawrence	0	0	0	0	0	0	0	0	0
Lee	0	0	0	0	0	0	0	0	0
Lincoln	187	187	187	187	187	187	187	187	187
Little River	0	0	0	0	0	0	0	0	0
Logan	113	113	113	113	113	113	113	113	113
Lonoke	477	477	477	477	477	477	477	477	477
Madison	468	468	468	468	468	468	468	468	468
Marion	17	17	17	17	17	17	17	17	17

Projected Livestock Inventory by County - Dairy Cows

County	Base period[1]	2015	2020	2025	2030	2035	2040	2045	2050
Miller	165	165	165	165	165	165	165	165	165
Mississippi	0	0	0	0	0	0	0	0	0
Monroe	0	0	0	0	0	0	0	0	0
Montgomery	168	168	168	168	168	168	168	168	168
Nevada	0	0	0	0	0	0	0	0	0
Newton	117	117	117	117	117	117	117	117	117
Ouachita	0	0	0	0	0	0	0	0	0
Perry	6	6	6	6	6	6	6	6	6
Phillips	0	0	0	0	0	0	0	0	0
Pike	0	0	0	0	0	0	0	0	0
Poinsett	0	0	0	0	0	0	0	0	0
Polk	460	460	460	460	460	460	460	460	460
Pope	339	339	339	339	339	339	339	339	339
Prairie	0	0	0	0	0	0	0	0	0
Pulaski	0	0	0	0	0	0	0	0	0
Randolph	0	0	0	0	0	0	0	0	0
Saint Francis	0	0	0	0	0	0	0	0	0
Saline	131	131	131	131	131	131	131	131	131
Scott	137	137	137	137	137	137	137	137	137
Searcy	281	281	281	281	281	281	281	281	281
Sebastian	28	28	28	28	28	28	28	28	28
Sevier	129	129	129	129	129	129	129	129	129
Sharp	120	120	120	120	120	120	120	120	120
Stone	81	81	81	81	81	81	81	81	81
Union	0	0	0	0	0	0	0	0	0
Van Buren	420	420	420	420	420	420	420	420	420
Washington	780	780	780	780	780	780	780	780	780
White	443	443	443	443	443	443	443	443	443
Woodruff	0	0	0	0	0	0	0	0	0
Yell	175	175	175	175	175	175	175	175	175
State Total	**11,000**	**11,000**	**11,000**	**11,000**	**11,000**	**11,000**	**11,000**	**11,000**	**11,000**

Water Demand Forecast for Livestock by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Ashley	0.035	0.035	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Baxter	0.147	0.147	0.153	0.154	0.154	0.154	0.154	0.154	0.154
Benton	2.134	2.169	2.309	2.348	2.348	2.348	2.348	2.348	2.348
Boone	0.774	0.783	0.828	0.841	0.841	0.841	0.841	0.841	0.841
Bradley	0.130	0.132	0.141	0.143	0.143	0.143	0.143	0.143	0.143
Calhoun	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Carroll	1.302	1.319	1.403	1.427	1.427	1.427	1.427	1.427	1.427
Chicot	0.026	0.026	0.026	0.027	0.027	0.027	0.027	0.027	0.027
Clark	0.150	0.150	0.156	0.158	0.158	0.158	0.158	0.158	0.158
Clay	0.060	0.060	0.062	0.063	0.063	0.063	0.063	0.063	0.063
Cleburne	0.355	0.358	0.376	0.381	0.381	0.381	0.381	0.381	0.381
Cleveland	0.526	0.539	0.581	0.594	0.594	0.594	0.594	0.594	0.594
Columbia	0.241	0.245	0.261	0.265	0.265	0.265	0.265	0.265	0.265
Conway	0.747	0.759	0.805	0.817	0.817	0.817	0.817	0.817	0.817
Craighead	0.055	0.055	0.057	0.057	0.057	0.057	0.057	0.057	0.057
Crawford	0.342	0.346	0.363	0.368	0.368	0.368	0.368	0.368	0.368
Crittenden	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Cross	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Dallas	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.022
Desha	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Drew	0.109	0.110	0.117	0.118	0.118	0.118	0.118	0.118	0.118
Faulkner	0.316	0.316	0.325	0.327	0.327	0.327	0.327	0.327	0.327
Franklin	0.613	0.620	0.658	0.669	0.669	0.669	0.669	0.669	0.669
Fulton	0.236	0.236	0.244	0.246	0.246	0.246	0.246	0.246	0.246
Garland	0.074	0.074	0.076	0.077	0.077	0.077	0.077	0.077	0.077
Grant	0.104	0.105	0.111	0.112	0.112	0.112	0.112	0.112	0.112
Greene	0.062	0.062	0.064	0.064	0.064	0.064	0.064	0.064	0.064
Hempstead	1.005	1.020	1.083	1.100	1.100	1.100	1.100	1.100	1.100
Hot Spring	0.142	0.142	0.147	0.148	0.148	0.148	0.148	0.148	0.148
Howard	0.871	0.885	0.940	0.956	0.956	0.956	0.956	0.956	0.956
Independence	0.490	0.495	0.522	0.529	0.529	0.529	0.529	0.529	0.529
Izard	0.310	0.312	0.328	0.332	0.332	0.332	0.332	0.332	0.332
Jackson	0.074	0.074	0.077	0.077	0.077	0.077	0.077	0.077	0.077
Jefferson	0.114	0.116	0.124	0.127	0.127	0.127	0.127	0.127	0.127
Johnson	0.620	0.629	0.670	0.682	0.682	0.682	0.682	0.682	0.682
Lafayette	0.363	0.370	0.395	0.402	0.402	0.402	0.402	0.402	0.402
Lawrence	0.240	0.243	0.257	0.260	0.260	0.260	0.260	0.260	0.260
Lee	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Lincoln	0.525	0.537	0.579	0.591	0.591	0.591	0.591	0.591	0.591
Little River	0.449	0.455	0.481	0.488	0.488	0.488	0.488	0.488	0.488
Logan	0.897	0.911	0.970	0.987	0.987	0.987	0.987	0.987	0.987
Lonoke	0.164	0.165	0.171	0.172	0.172	0.172	0.172	0.172	0.172
Madison	1.058	1.072	1.137	1.155	1.155	1.155	1.155	1.155	1.155
Marion	0.269	0.270	0.284	0.287	0.287	0.287	0.287	0.287	0.287

Water Demand Forecast for Livestock by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Miller	0.255	0.258	0.271	0.274	0.274	0.274	0.274	0.274	0.274
Mississippi	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Monroe	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Montgomery	0.270	0.273	0.286	0.290	0.290	0.290	0.290	0.290	0.290
Nevada	0.282	0.286	0.303	0.308	0.308	0.308	0.308	0.308	0.308
Newton	0.192	0.192	0.199	0.201	0.201	0.201	0.201	0.201	0.201
Ouachita	0.098	0.100	0.106	0.108	0.108	0.108	0.108	0.108	0.108
Perry	0.233	0.236	0.249	0.252	0.252	0.252	0.252	0.252	0.252
Phillips	0.026	0.026	0.027	0.027	0.027	0.027	0.027	0.027	0.027
Pike	0.351	0.355	0.372	0.377	0.377	0.377	0.377	0.377	0.377
Poinsett	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Polk	0.724	0.735	0.778	0.790	0.790	0.790	0.790	0.790	0.790
Pope	0.785	0.797	0.845	0.858	0.858	0.858	0.858	0.858	0.858
Prairie	0.050	0.050	0.051	0.052	0.052	0.052	0.052	0.052	0.052
Pulaski	0.108	0.108	0.113	0.114	0.114	0.114	0.114	0.114	0.114
Randolph	0.268	0.269	0.281	0.284	0.284	0.284	0.284	0.284	0.284
St. Francis	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Saline	0.071	0.071	0.073	0.073	0.073	0.073	0.073	0.073	0.073
Scott	0.507	0.516	0.550	0.559	0.559	0.559	0.559	0.559	0.559
Searcy	0.229	0.229	0.237	0.239	0.239	0.239	0.239	0.239	0.239
Sebastian	0.428	0.434	0.461	0.468	0.468	0.468	0.468	0.468	0.468
Sevier	0.799	0.812	0.864	0.878	0.878	0.878	0.878	0.878	0.878
Sharp	0.375	0.379	0.399	0.405	0.405	0.405	0.405	0.405	0.405
Stone	0.282	0.285	0.301	0.305	0.305	0.305	0.305	0.305	0.305
Union	0.329	0.337	0.362	0.369	0.369	0.369	0.369	0.369	0.369
Van Buren	0.190	0.191	0.198	0.200	0.200	0.200	0.200	0.200	0.200
Washington	2.301	2.337	2.488	2.530	2.530	2.530	2.530	2.530	2.530
White	0.500	0.502	0.522	0.527	0.527	0.527	0.527	0.527	0.527
Woodruff	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Yell	0.939	0.956	1.019	1.037	1.037	1.037	1.037	1.037	1.037
TOTAL	**26.89**	**27.25**	**28.85**	**29.29**	**29.29**	**29.29**	**29.29**	**29.29**	**29.29**

Appendix K

Aquaculture Water Demand by County

Aquaculture Water Demand by County and Species

COUNTY	SPECIES	BASE PERIOD ACRES	MGD
Arkansas	NOT CLASSIFIED	480	1.28
Arkansas	CRAWFISH	-	-
Arkansas	GOLDFISH	-	-
Arkansas	HATCHERIES	32	0.09
Arkansas	MINNOWS	-	-
Arkansas	CATFISH	37	0.05
Ashley	NOT CLASSIFIED	-	-
Ashley	CRAWFISH	-	-
Ashley	GOLDFISH	-	-
Ashley	HATCHERIES	-	-
Ashley	MINNOWS	-	-
Ashley	CATFISH	1,350	1.91
Chicot	NOT CLASSIFIED	-	-
Chicot	CRAWFISH	15	0.02
Chicot	GOLDFISH	-	-
Chicot	HATCHERIES	-	-
Chicot	MINNOWS	-	-
Chicot	CATFISH	4,570	6.46
Clay	NOT CLASSIFIED	-	-
Clay	CRAWFISH	-	-
Clay	GOLDFISH	-	-
Clay	HATCHERIES	669	1.79
Clay	MINNOWS	-	-
Clay	CATFISH	136	0.19
Craighead	NOT CLASSIFIED	175	0.47
Craighead	CRAWFISH	-	-
Craighead	GOLDFISH	-	-
Craighead	HATCHERIES	-	-
Craighead	MINNOWS	-	-
Craighead	CATFISH	48	0.07
Crittenden	NOT CLASSIFIED	480	1.28
Crittenden	CRAWFISH	-	-
Crittenden	GOLDFISH	-	-
Crittenden	HATCHERIES	-	-
Crittenden	MINNOWS	-	-
Crittenden	CATFISH	15	0.02
Cross	NOT CLASSIFIED	13	0.03
Cross	CRAWFISH	-	-
Cross	GOLDFISH	-	-
Cross	HATCHERIES	-	-
Cross	MINNOWS	-	-
Cross	CATFISH	9	0.01

Aquaculture Water Demand by County and Species

COUNTY	SPECIES	BASE PERIOD ACRES	MGD
Desha	NOT CLASSIFIED	1,973	5.28
Desha	CRAWFISH	-	-
Desha	GOLDFISH	-	-
Desha	HATCHERIES	-	-
Desha	MINNOWS	-	-
Desha	CATFISH	741	1.05
Drew	NOT CLASSIFIED	-	-
Drew	CRAWFISH	-	-
Drew	GOLDFISH	-	-
Drew	HATCHERIES	-	-
Drew	MINNOWS	-	-
Drew	CATFISH	23	0.03
Greene	NOT CLASSIFIED	-	-
Greene	CRAWFISH	55	0.07
Greene	GOLDFISH	-	-
Greene	HATCHERIES	-	-
Greene	MINNOWS	3,789	10.14
Greene	CATFISH	375	0.53
Jackson	NOT CLASSIFIED	232	0.62
Jackson	CRAWFISH	-	-
Jackson	GOLDFISH	-	-
Jackson	HATCHERIES	-	-
Jackson	MINNOWS	-	-
Jackson	CATFISH	186	0.26
Jefferson	NOT CLASSIFIED	94	0.25
Jefferson	CRAWFISH	-	-
Jefferson	GOLDFISH	-	-
Jefferson	HATCHERIES	-	-
Jefferson	MINNOWS	-	-
Jefferson	CATFISH	-	-
Lafayette	NOT CLASSIFIED	555	1.49
Lafayette	CRAWFISH	100	0.13
Lafayette	GOLDFISH	61	0.16
Lafayette	HATCHERIES	-	-
Lafayette	MINNOWS	-	-
Lafayette	CATFISH	270	0.38
Lawrence	NOT CLASSIFIED	10	0.03
Lawrence	CRAWFISH	-	-
Lawrence	GOLDFISH	-	-
Lawrence	HATCHERIES	-	-
Lawrence	MINNOWS	-	-
Lawrence	CATFISH	-	-
Lee	NOT CLASSIFIED	2	0.01

Aquaculture Water Demand by County and Species

COUNTY	SPECIES	BASE PERIOD ACRES	MGD
Lee	CRAWFISH	-	-
Lee	GOLDFISH	-	-
Lee	HATCHERIES	-	-
Lee	MINNOWS	-	-
Lee	CATFISH	215	0.30
Lincoln	NOT CLASSIFIED	140	0.37
Lincoln	CRAWFISH	-	-
Lincoln	GOLDFISH	-	-
Lincoln	HATCHERIES	-	-
Lincoln	MINNOWS	-	-
Lincoln	CATFISH	82	0.12
Lonoke	NOT CLASSIFIED	5,086	13.61
Lonoke	CRAWFISH	-	-
Lonoke	GOLDFISH	1,979	5.30
Lonoke	HATCHERIES	60	0.16
Lonoke	MINNOWS	7,620	20.39
Lonoke	CATFISH	407	0.57
Mississippi	NOT CLASSIFIED	286	0.76
Mississippi	CRAWFISH	-	-
Mississippi	GOLDFISH	-	-
Mississippi	HATCHERIES	-	-
Mississippi	MINNOWS	-	-
Mississippi	CATFISH	-	-
Monroe	NOT CLASSIFIED	710	1.90
Monroe	CRAWFISH	-	-
Monroe	GOLDFISH	-	-
Monroe	HATCHERIES	-	-
Monroe	MINNOWS	943	2.52
Monroe	CATFISH	826	1.17
Phillips	NOT CLASSIFIED	60	0.16
Phillips	CRAWFISH	-	-
Phillips	GOLDFISH	-	-
Phillips	HATCHERIES	-	-
Phillips	MINNOWS	-	-
Phillips	CATFISH	0	0.00
Poinsett	NOT CLASSIFIED	103	0.28
Poinsett	CRAWFISH	12	0.02
Poinsett	GOLDFISH	-	-
Poinsett	HATCHERIES	-	-
Poinsett	MINNOWS	-	-
Poinsett	CATFISH	95	0.13
Prairie	NOT CLASSIFIED	407	1.09
Prairie	CRAWFISH	-	-

Aquaculture Water Demand by County and Species

COUNTY	SPECIES	BASE PERIOD ACRES	MGD
Prairie	GOLDFISH	536	1.43
Prairie	HATCHERIES	66	0.18
Prairie	MINNOWS	6,710	17.96
Prairie	CATFISH	26	0.04
Pulaski	NOT CLASSIFIED	-	-
Pulaski	CRAWFISH	-	-
Pulaski	GOLDFISH	-	-
Pulaski	HATCHERIES	-	-
Pulaski	MINNOWS	57	0.15
Pulaski	CATFISH	-	-
St. Francis	NOT CLASSIFIED	55	0.15
St. Francis	CRAWFISH	60	0.08
St. Francis	GOLDFISH	-	-
St. Francis	HATCHERIES	-	-
St. Francis	MINNOWS	-	-
St. Francis	CATFISH	-	-
Woodruff	NOT CLASSIFIED	20	0.05
Woodruff	CRAWFISH	25	0.03
Woodruff	GOLDFISH	-	-
Woodruff	HATCHERIES	-	-
Woodruff	MINNOWS	-	-
Woodruff	CATFISH	287	0.41
Total	NOT CLASSIFIED	10,880	29.12
Total	CRAWFISH	267	0.36
Total	GOLDFISH	2,576	6.89
Total	HATCHERIES	827	2.21
Total	MINNOWS	19,119	51.17
Total	CATFISH	9,700	13.70
TOTAL		**43,369**	**103.46**

Appendix L

Duck Habitat Water Demand by County

Duck Club, Habitat and Irrigation Water Demand by County and Source in MGD

County	GW MGD	SW MGD	Total MGD
Arkansas	27.354	66.725	94.079
Ashley	0.026	0.003	0.029
Baxter	-	-	-
Benton	-	-	-
Boone	0.001	-	0.001
Bradley	-	-	-
Calhoun	-	-	-
Carroll	-	-	-
Chicot	-	-	-
Clark	-	0.293	0.293
Clay	0.002	0.388	0.390
Cleburne	-	-	-
Cleveland	-	-	-
Columbia	-	-	-
Conway	-	-	-
Craighead	0.014	0.002	0.016
Crawford	-	-	-
Crittenden	3.952	-	3.952
Cross	0.416	0.219	0.635
Dallas	-	-	-
Desha	3.536	4.968	8.504
Drew	0.249	0.070	0.319
Faulkner	-	-	-
Franklin	-	-	-
Fulton	-	-	-
Garland	-	-	-
Grant	-	-	-
Greene	0.002	1.190	1.191
Hempstead	-	2.765	2.765
Hot Spring	-	0.902	0.902
Howard	-	-	-
Independence	-	0.432	0.432
Izard	-	-	-
Jackson	6.516	5.138	11.654
Jefferson	6.388	7.381	13.769
Johnson	-	0.009	0.009
Lafayette	4.055	0.875	4.931
Lawrence	0.015	0.052	0.068
Lee	7.796	0.893	8.689
Lincoln	0.072	0.004	0.076
Little River	0.002	0.687	0.690
Logan	-	-	-
Lonoke	5.265	4.644	9.910
Madison	-	-	-

Duck Club, Habitat and Irrigation Water Demand by County and Source in MGD

County	GW MGD	SW MGD	Total MGD
Marion	-	-	-
Miller	4.518	50.324	54.842
Mississippi	-	0.301	0.301
Monroe	11.274	4.685	15.959
Montgomery	-	-	-
Nevada	-	-	-
Newton	-	-	-
Ouachita	-	-	-
Perry	-	-	-
Phillips	0.021	0.000	0.021
Pike	-	-	-
Poinsett	1.852	2.687	4.539
Polk	-	-	-
Pope	0.017	-	0.017
Prairie	4.456	8.185	12.641
Pulaski	0.341	0.170	0.512
Randolph	0.538	-	0.538
St. Francis	4.680	0.455	5.134
Saline	-	-	-
Scott	-	-	-
Searcy	-	-	-
Sebastian	-	-	-
Sevier	-	-	-
Sharp	-	-	-
Stone	-	-	-
Union	-	-	-
Van Buren	-	-	-
Washington	-	-	-
White	0.088	0.371	0.459
Woodruff	0.823	0.129	0.952
Yell	-	-	-
Total	**94.270**	**164.949**	**259.219**

Appendix M

Total Sector Water Demand by County

Municipal Water Demand with Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	3.73	3.74	3.63	3.53	3.44	3.36	3.28	3.21	3.15
Ashley	1.94	1.95	1.86	1.78	1.71	1.65	1.60	1.55	1.50
Baxter	4.86	5.44	5.75	6.07	6.40	6.75	7.12	7.53	7.97
Benton	38.06	44.61	50.63	56.66	62.69	69.12	76.27	84.19	92.98
Boone	4.96	5.32	5.55	5.79	6.03	6.30	6.58	6.88	7.20
Bradley	1.10	1.08	1.03	0.98	0.94	0.90	0.87	0.84	0.81
Calhoun	0.50	0.48	0.45	0.44	0.42	0.41	0.39	0.38	0.37
Carroll	8.21	8.29	8.43	8.58	8.73	8.89	9.06	9.23	9.42
Chicot	1.38	1.29	1.17	1.05	0.93	0.83	0.74	0.66	0.59
Clark	2.27	2.24	2.20	2.17	2.15	2.13	2.12	2.11	2.10
Clay	1.20	1.08	0.99	0.91	0.84	0.78	0.73	0.68	0.63
Cleburne	3.05	3.23	3.34	3.45	3.57	3.70	3.84	4.00	4.16
Cleveland	0.51	0.54	0.54	0.55	0.55	0.56	0.57	0.59	0.60
Columbia	2.34	2.22	2.14	2.07	2.01	1.96	1.91	1.87	1.83
Conway	2.41	2.28	2.25	2.22	2.20	2.18	2.17	2.16	2.15
Craighead	12.42	12.59	13.22	13.86	14.51	15.21	15.95	16.75	17.60
Crawford	11.44	11.98	12.63	13.28	13.95	14.65	15.40	16.20	17.05
Crittenden	8.26	8.25	8.17	8.11	8.07	8.03	8.00	7.98	7.96
Cross	1.99	2.02	1.96	1.91	1.86	1.82	1.78	1.75	1.72
Dallas	0.88	0.81	0.75	0.69	0.64	0.60	0.55	0.52	0.48
Desha	2.03	2.09	1.99	1.90	1.82	1.74	1.67	1.60	1.54
Drew	1.45	1.41	1.38	1.36	1.34	1.32	1.31	1.30	1.30
Faulkner	13.63	14.60	15.96	17.32	18.69	20.14	21.72	23.44	25.32
Franklin	2.47	2.54	2.56	2.59	2.62	2.66	2.70	2.74	2.79
Fulton	1.54	1.63	1.67	1.72	1.77	1.83	1.89	1.96	2.03
Garland	16.12	17.02	17.62	18.25	18.90	19.60	20.35	21.15	21.99
Grant	2.03	2.20	2.30	2.40	2.50	2.61	2.73	2.86	2.99
Greene	4.47	4.61	4.78	4.97	5.16	5.37	5.59	5.83	6.09
Hempstead	1.62	1.64	1.60	1.58	1.56	1.54	1.53	1.52	1.51
Hot Spring	3.91	3.60	3.56	3.53	3.52	3.51	3.50	3.50	3.50
Howard	2.04	2.17	2.16	2.17	2.18	2.19	2.20	2.22	2.24
Independence	3.98	3.90	3.94	3.98	4.04	4.10	4.17	4.24	4.32
Izard	1.43	1.40	1.40	1.40	1.40	1.41	1.42	1.44	1.45
Jackson	1.82	1.54	1.43	1.33	1.24	1.16	1.09	1.02	0.96
Jefferson	13.01	13.13	12.72	12.35	12.02	11.71	11.42	11.16	10.90
Johnson	2.34	2.37	2.44	2.51	2.59	2.68	2.78	2.88	2.99
Lafayette	0.61	0.56	0.51	0.47	0.43	0.39	0.36	0.33	0.30
Lawrence	1.86	1.81	1.77	1.75	1.72	1.71	1.69	1.68	1.67
Lee	1.09	0.96	0.83	0.71	0.60	0.50	0.42	0.35	0.29
Lincoln	2.18	2.19	2.17	2.15	2.14	2.13	2.12	2.12	2.12
Little River	1.14	1.11	1.08	1.06	1.04	1.03	1.02	1.01	1.01
Logan	3.53	3.77	3.82	3.88	3.94	4.01	4.09	4.18	4.26
Lonoke	6.37	7.21	7.95	8.69	9.44	10.23	11.10	12.06	13.12
Madison	2.42	2.49	2.59	2.68	2.78	2.89	3.00	3.12	3.24
Marion	0.83	0.83	0.84	0.84	0.85	0.86	0.87	0.89	0.90
Miller	6.53	6.92	7.14	7.36	7.60	7.84	8.11	8.38	8.68
Mississippi	8.39	7.80	7.34	6.90	6.49	6.10	5.75	5.41	5.11
Monroe	0.59	0.53	0.45	0.39	0.32	0.27	0.22	0.18	0.15
Montgomery	0.99	0.99	1.00	1.00	1.01	1.02	1.04	1.05	1.07

Municipal Water Demand with Conservation in MGD: AIEA Scenario									
County	**2010**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Nevada	0.66	0.65	0.62	0.60	0.58	0.56	0.54	0.53	0.51
Newton	0.68	0.67	0.65	0.64	0.63	0.62	0.62	0.61	0.61
Ouachita	3.07	2.77	2.55	2.36	2.17	2.00	1.85	1.72	1.59
Perry	0.69	0.70	0.70	0.70	0.71	0.72	0.73	0.73	0.74
Phillips	2.56	2.31	2.05	1.81	1.58	1.37	1.20	1.04	0.91
Pike	0.78	0.73	0.72	0.70	0.69	0.69	0.68	0.68	0.67
Poinsett	2.66	2.63	2.56	2.51	2.46	2.42	2.38	2.35	2.32
Polk	1.53	1.41	1.36	1.32	1.29	1.26	1.23	1.20	1.18
Pope	7.94	7.78	8.01	8.25	8.50	8.76	9.04	9.34	9.65
Prairie	0.91	0.78	0.69	0.61	0.54	0.47	0.41	0.36	0.32
Pulaski	50.25	48.47	48.34	48.37	48.51	48.75	49.07	49.45	49.88
Randolph	1.43	1.48	1.48	1.48	1.49	1.50	1.51	1.53	1.55
St. Francis	4.72	4.17	3.90	3.66	3.42	3.20	3.01	2.82	2.65
Saline	11.43	11.10	11.72	12.35	13.00	13.70	14.46	15.28	16.16
Scott	0.91	0.92	0.92	0.93	0.95	0.96	0.97	0.99	1.00
Searcy	0.67	0.64	0.62	0.61	0.60	0.60	0.59	0.59	0.58
Sebastian	20.86	20.39	20.62	20.91	21.25	21.63	22.06	22.53	23.03
Sevier	1.70	1.79	1.85	1.92	1.99	2.07	2.16	2.25	2.34
Sharp	1.48	1.52	1.53	1.53	1.54	1.55	1.57	1.59	1.61
Stone	1.04	1.02	1.03	1.04	1.05	1.07	1.09	1.12	1.14
Union	5.15	5.20	5.02	4.86	4.72	4.59	4.47	4.36	4.26
Van Buren	2.21	2.24	2.28	2.32	2.38	2.43	2.50	2.57	2.64
Washington	27.44	29.58	32.15	34.74	37.36	40.12	43.14	46.42	49.97
White	8.06	8.10	8.38	8.67	8.97	9.30	9.65	10.03	10.43
Woodruff	0.98	0.90	0.80	0.71	0.63	0.55	0.49	0.43	0.38
Yell	2.77	2.60	2.56	2.52	2.50	2.47	2.45	2.44	2.42
TOTAL	**384.51**	**393.02**	**404.80**	**417.47**	**430.87**	**445.75**	**462.67**	**481.64**	**502.71**

Self-supplied Domestic Water Demand with Conservation in MGD: AIEA Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.73	0.81	0.85	0.89	0.93	0.97	1.03	1.08	1.14
Benton	-	-	-	-	-	-	-	-	-
Boone	0.41	0.44	0.45	0.47	0.48	0.5	0.52	0.55	0.57
Bradley	0.09	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.07
Calhoun	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
Carroll	0.3	0.29	0.29	0.29	0.3	0.3	0.3	0.31	0.31
Chicot	0.18	0.17	0.15	0.13	0.12	0.1	0.09	0.08	0.07
Clark	0.32	0.31	0.31	0.3	0.3	0.29	0.29	0.29	0.29
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05
Conway	0.18	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16
Craighead	0.44	0.44	0.46	0.48	0.5	0.53	0.55	0.58	0.6
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.11	0.11	0.11	0.1	0.1	0.1	0.1	0.1	0.1
Faulkner	0.4	0.43	0.46	0.5	0.54	0.58	0.63	0.68	0.73
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	0.1	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14
Greene	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.43
Hempstead	0.49	0.49	0.48	0.48	0.47	0.46	0.46	0.46	0.45
Hot Spring	0.3	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26
Howard	-	-	-	-	-	-	-	-	-
Independence	0.34	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.36
Izard	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.16	0.16
Jackson	0.18	0.15	0.14	0.13	0.12	0.11	0.1	0.1	0.09
Jefferson	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
Johnson	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08
Lafayette	0.16	0.15	0.13	0.12	0.11	0.1	0.09	0.08	0.08
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	0.39	0.4	0.4	0.42	0.43	0.44	0.45	0.47	0.49
Marion	0.67	0.68	0.68	0.68	0.69	0.7	0.71	0.72	0.73
Miller	0.75	0.78	0.8	0.82	0.84	0.86	0.89	0.91	0.94
Mississippi	0.11	0.1	0.09	0.09	0.08	0.08	0.07	0.07	0.06
Monroe	0.3	0.26	0.23	0.19	0.16	0.13	0.11	0.09	0.07

Self-supplied Domestic Water Demand with Conservation in MGD: AIEA Scenario

County	2010	2015	2020	2025	2030	2035	2040	2045	2050
Montgomery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Nevada	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15
Newton	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.36	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38
Phillips	-	-	-	-	-	-	-	-	-
Pike	0.26	0.25	0.24	0.24	0.23	0.23	0.23	0.23	0.22
Poinsett	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.14
Polk	0.66	0.6	0.58	0.56	0.54	0.53	0.52	0.5	0.49
Pope	0.73	0.71	0.72	0.74	0.76	0.78	0.81	0.83	0.86
Prairie	0.14	0.12	0.1	0.09	0.08	0.07	0.06	0.05	0.05
Pulaski	0.54	0.52	0.51	0.51	0.51	0.51	0.51	0.51	0.52
Randolph	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46
St. Francis	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Saline	-	-	-	-	-	-	-	-	-
Scott	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37
Searcy	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.29	0.3	0.31	0.32	0.33	0.35	0.36	0.37	0.39
Sharp	0.36	0.37	0.36	0.36	0.36	0.36	0.36	0.37	0.37
Stone	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07
Union	0.43	0.43	0.41	0.39	0.38	0.37	0.36	0.35	0.34
Van Buren	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
TOTAL	**13.09**	**12.99**	**12.95**	**12.96**	**13.02**	**13.13**	**13.29**	**13.5**	**13.74**

Self-Supplied Commercial Water Demand by County in MGD: AIEA Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0.14	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.24
Benton	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.26	0.28
Boone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
Chicot	-	-	-	-	-	-	-	-	-
Clark	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clay	-	-	-	-	-	-	-	-	-
Cleburne	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Craighead	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.09
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	-	-	-	-	-	-	-	-	-
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05
Drew	-	-	-	-	-	-	-	-	-
Faulkner	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Franklin	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
Fulton	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
Garland	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08
Grant	-	-	-	-	-	-	-	-	-
Greene	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14
Hempstead	0.75	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
Hot Spring	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Howard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Independence	-	-	-	-	-	-	-	-	-
Izard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johnson	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07
Lafayette	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lawrence	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Logan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lonoke	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Madison	-	-	-	-	-	-	-	-	-
Marion	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Miller	2.98	3.20	3.33	3.46	3.59	3.72	3.86	4.00	4.15
Mississippi	-	-	-	-	-	-	-	-	-
Monroe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Self-Supplied Commercial Water Demand by County in MGD: AIEA Scenario

County	Base Year	2015	2020	2025	2030	2035	2040	2045	2050
Montgomery	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Pike	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Poinsett	-	-	-	-	-	-	-	-	-
Polk	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Pope	0.06	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05
Randolph	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
St. Francis	-	-	-	-	-	-	-	-	-
Saline	0.15	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22
Scott	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Union	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.14
White	-	-	-	-	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**5.35**	**5.67**	**5.87**	**6.07**	**6.27**	**6.47**	**6.69**	**6.91**	**7.15**

Industrial Water Demand by County in MGD									
County	**Base Period**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Arkansas	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Ashley	52.70	49.32	46.16	43.22	40.28	37.39	34.55	31.92	29.50
Baxter	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benton	3.81	2.72	1.95	2.02	2.08	2.14	2.20	2.25	2.31
Boone	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradley	0.45	0.47	0.49	0.45	0.41	0.37	0.33	0.30	0.26
Calhoun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Carroll	-	-	-	-	-	-	-	-	-
Chicot	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Clark	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.25
Clay	0.06	0.06	0.07	0.06	0.06	0.06	0.05	0.05	0.05
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	4.71	4.75	4.80	4.66	4.50	4.33	4.15	3.98	3.82
Conway	8.01	7.99	7.97	7.20	6.46	5.79	5.16	4.60	4.10
Craighead	3.69	3.72	3.75	3.77	3.77	3.76	3.74	3.71	3.69
Crawford	0.46	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.45
Crittenden	0.29	0.17	0.11	0.10	0.09	0.08	0.07	0.07	0.06
Cross	0.44	0.44	0.43	0.42	0.40	0.38	0.36	0.34	0.32
Dallas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Desha	13.69	12.81	11.99	11.23	10.46	9.70	8.96	8.28	7.65
Drew	0.16	0.16	0.16	0.15	0.13	0.12	0.11	0.10	0.09
Faulkner	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Franklin	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
Fulton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Garland	1.98	1.89	1.80	1.74	1.68	1.61	1.54	1.47	1.40
Grant	0.28	0.29	0.31	0.28	0.25	0.23	0.20	0.18	0.16
Greene	0.70	0.72	0.74	0.75	0.75	0.75	0.75	0.75	0.75
Hempstead	0.86	0.83	0.80	0.77	0.74	0.71	0.67	0.64	0.61
Hot Spring	0.64	0.63	0.62	0.58	0.55	0.52	0.48	0.45	0.42
Howard	1.31	1.26	1.22	1.19	1.15	1.11	1.06	1.02	0.98
Independence	40.15	40.18	40.22	39.58	38.77	37.82	36.75	35.72	34.71
Izard	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Jackson	0.17	0.18	0.20	0.18	0.17	0.15	0.14	0.13	0.12
Jefferson	37.40	35.08	32.92	31.92	30.83	29.64	28.39	27.19	26.03
Johnson	1.96	1.92	1.88	1.88	1.86	1.85	1.82	1.79	1.77
Lafayette	-	-	-	-	-	-	-	-	-
Lawrence	-	-	-	-	-	-	-	-	-
Lee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lincoln	-	-	-	-	-	-	-	-	-
Little River	88.54	86.61	85.01	80.79	76.49	72.13	67.76	63.66	59.80
Logan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Lonoke	1.00	1.04	1.08	1.06	1.03	1.00	0.96	0.93	0.90
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	0.16	0.15	0.13	0.13	0.12	0.11	0.11	0.10	0.10
Mississippi	3.13	3.51	4.02	4.04	4.05	4.04	4.02	4.00	3.98
Monroe	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02
Montgomery	0.09	0.08	0.08	0.07	0.06	0.05	0.04	0.04	0.03

Industrial Water Demand by County in MGD									
County	**Base Period**	**2015**	**2020**	**2025**	**2030**	**2035**	**2040**	**2045**	**2050**
Nevada	0.08	0.08	0.07	0.07	0.06	0.05	0.04	0.04	0.03
Newton	-	-	-	-	-	-	-	-	-
Ouachita	0.19	0.18	0.17	0.15	0.13	0.11	0.09	0.08	0.07
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.10	0.08	0.07	0.06	0.05	0.04	0.03	0.03	0.02
Pike	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Poinsett	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Polk	-	-	-	-	-	-	-	-	-
Pope	4.61	4.51	4.41	4.37	4.30	4.22	4.12	4.03	3.93
Prairie	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Pulaski	3.14	3.12	3.10	2.88	2.67	2.46	2.26	2.08	1.91
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	-	-	-	-	-	-	-	-	-
Saline	2.63	2.56	2.51	2.11	1.78	1.48	1.24	1.03	0.86
Scott	1.01	1.01	1.00	1.01	1.02	1.02	1.02	1.02	1.02
Searcy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sebastian	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sevier	1.43	1.38	1.33	1.28	1.23	1.17	1.12	1.06	1.01
Sharp	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stone	-	-	-	-	-	-	-	-	-
Union	7.37	7.59	7.83	7.54	7.23	6.91	6.58	6.25	5.95
Van Buren	0.28	0.29	0.29	0.28	0.27	0.26	0.26	0.25	0.24
Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White	0.46	0.47	0.48	0.46	0.45	0.43	0.42	0.40	0.38
Woodruff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Yell	1.98	1.94	1.90	1.88	1.86	1.83	1.79	1.75	1.71
TOTAL	**290.69**	**281.20**	**273.03**	**261.27**	**249.13**	**236.74**	**224.23**	**212.53**	**201.58**

Mining Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	0	0	0	0	0	0.01	0.01	0.01	0.01
Benton	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Boone	0	0	0	0	0	0	0	0	0
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	-	-	-	-	-	-	-	-	-
Chicot	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	-	-	-	-
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	-	-	-	-	-	-	-	-	-
Craighead	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Crawford	0.45	0.56	0.69	0.85	1.04	1.26	1.51	1.81	2.17
Crittenden	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.04
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	0.29	0.29	0.29	0.33	0.33	0.33	0.29	0.26	0.23
Faulkner	0.06	0.08	0.1	0.15	0.21	0.3	0.41	0.56	0.76
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08
Hempstead	0.14	0.1	0.08	0.09	0.1	0.11	0.12	0.13	0.14
Hot Spring	0.86	0.83	0.81	0.85	0.88	0.88	0.85	0.82	0.79
Howard	-	-	-	-	-	-	-	-	-
Independence	-	-	-	-	-	-	-	-	-
Izard	3.02	2.85	2.69	3.34	4.02	4.71	5.36	6.09	6.94
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	-	-	-	-	-	-	-	-	-
Johnson	-	-	-	-	-	-	-	-	-
Lafayette	0	0	0	0	0	0	0	0	0
Lawrence	0.28	0.28	0.29	0.27	0.24	0.21	0.19	0.16	0.14
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	-	-	-	-	-	-	-	-	-
Mississippi	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Monroe	-	-	-	-	-	-	-	-	-
Montgomery	0	0	0	0	0	0	0.01	0.01	0.01
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-

Mining Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0
Pike	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Poinsett	0.03	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01
Polk	0.28	0.35	0.44	0.56	0.71	0.89	1.11	1.38	1.71
Pope	-	-	-	-	-	-	-	-	-
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.34	0.43	0.55	0.6	0.63	0.65	0.65	0.65	0.66
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	-	-	-	-	-	-	-	-	-
Saline	-	-	-	-	-	-	-	-	-
Scott	-	-	-	-	-	-	-	-	-
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	-	-	-	-	-	-	-	-	-
Union	-	-	-	-	-	-	-	-	-
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0	0	0	0	0	0	0	0.01	0.01
White	0.11	0.1	0.1	0.12	0.13	0.15	0.16	0.18	0.19
Woodruff	-	-	-	-	-	-	-	-	-
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**6.1**	**6.17**	**6.33**	**7.46**	**8.6**	**9.79**	**10.93**	**12.32**	**14.00**

Shale Gas Water Demands by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	-	-	-	-	-	-	-	-	-
Benton	-	-	-	-	-	-	-	-	-
Boone	-	-	-	-	-	-	-	-	-
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	-	-	-	-	-	-	-	-	-
Chicot	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	-	-	-	-
Clay	-	-	-	-	-	-	-	-	-
Cleburne	2.10	1.40	1.30	1.60	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	2.10	2.00	1.80	2.30	-	-	-	-	-
Craighead	-	-	-	-	-	-	-	-	-
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	-	-	-	-	-	-	-	-	-
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	-	-	-	-	-	-	-	-	-
Faulkner	1.1	0.8	0.7	0.9	-	-	-	-	-
Franklin	-	0	0	0	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	-	-	-	-	-	-	-	-	-
Hempstead	-	-	-	-	-	-	-	-	-
Hot Spring	-	-	-	-	-	-	-	-	-
Howard	-	-	-	-	-	-	-	-	-
Independence	0.2	0.1	0.1	0.2	-	-	-	-	-
Izard	-	-	-	-	-	-	-	-	-
Jackson	-	0.10	-	0.10	-	-	-	-	-
Jefferson	-	-	-	-	-	-	-	-	-
Johnson	-	-	-	-	-	-	-	-	-
Lafayette	-	-	-	-	-	-	-	-	-
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	-	-	-	-	-	-	-	-	-
Mississippi	-	-	-	-	-	-	-	-	-
Monroe	-	-	-	-	-	-	-	-	-
Montgomery	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-

Shale Gas Water Demands by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	-	-	-	-	-	-	-	-	-
Pike	-	-	-	-	-	-	-	-	-
Poinsett	-	-	-	-	-	-	-	-	-
Polk	-	-	-	-	-	-	-	-	-
Pope	-	0.10	0.10	0.10	-	-	-	-	-
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	-	-	-	-	-	-	-	-	-
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	-	-	-	-	-	-	-	-	-
Saline	-	-	-	-	-	-	-	-	-
Scott	-	-	-	-	-	-	-	-	-
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	-	-	-	-	-	-	-	-	-
Union	-	-	-	-	-	-	-	-	-
Van Buren	2.60	3.10	2.70	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-
White	2.40	2.50	2.30	2.90	-	-	-	-	-
Woodruff	-	-	-	-	-	-	-	-	-
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**10.60**	**10.10**	**9.10**	**8.00**	-	-	-	-	-

Thermoelectric Power Demand by County in MGD - Withdrawals, Reference Case

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	-	-	-	-	-	-	-	-	-
Benton	344.58	289.55	311.48	360.42	373.66	376.40	376.40	376.40	376.40
Boone	-	-	-	-	-	-	-	-	-
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	-	-	-	-	-	-	-	-	-
Chicot	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	-	-	-	-
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	-	-	-	-	-	-	-	-	-
Craighead	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	-	-	-	-	-	-	-	-	-
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	-	-	-	-	-	-	-	-	-
Faulkner	-	-	-	-	-	-	-	-	-
Franklin	2.01	2.83	2.97	2.79	2.93	3.05	3.32	3.61	3.93
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hempstead	0.01	6.85	6.85	6.85	6.85	6.85	6.85	6.85	6.86
Hot Spring	16.86	43.62	40.30	41.86	40.67	43.39	44.51	45.66	46.83
Howard	-	-	-	-	-	-	-	-	-
Independence	19.55	19.66	20.40	20.13	20.23	20.23	20.23	20.23	20.23
Izard	-	-	-	-	-	-	-	-	-
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	18.59	18.74	19.37	19.14	19.22	19.25	19.25	19.25	19.25
Johnson	-	-	-	-	-	-	-	-	-
Lafayette	0.15	0.12	0.10	0.11	0.10	0.12	0.12	0.13	0.13
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	-	-	-	-	-	-	-	-	-
Mississippi	3.18	8.58	8.86	8.76	8.79	8.81	8.83	8.84	8.85
Monroe	-	-	-	-	-	-	-	-	-
Montgomery	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-

Thermoelectric Power Demand by County in MGD - Withdrawals, Reference Case

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Ouachita	20.39	27.21	25.06	26.07	25.30	27.06	27.79	28.55	29.31
Perry	-	-	-	-	-	-	-	-	-
Phillips	-	1.46	1.01	1.22	1.06	1.43	1.61	1.81	2.00
Pike	-	-	-	-	-	-	-	-	-
Poinsett	-	-	-	-	-	-	-	-	-
Polk	-	-	-	-	-	-	-	-	-
Pope	741.36	822.31	822.31	822.31	822.31	822.31	822.31	822.31	822.31
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.81	1.22	1.13	1.17	1.14	1.22	1.25	1.28	1.32
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	-	0.03	0.02	0.03	0.02	0.03	0.04	0.04	0.05
Saline	-	-	-	-	-	-	-	-	-
Scott	-	-	-	-	-	-	-	-	-
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	-	-	-	-	-	-	-	-	-
Union	5.25	8.16	7.61	7.87	7.67	8.12	8.30	8.48	8.67
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
White	-	-	-	-	-	-	-	-	-
Woodruff	4.43	7.81	6.95	7.35	7.04	7.75	8.06	8.39	8.72
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**1,177.20**	**1,258.21**	**1,274.46**	**1,326.12**	**1,337.04**	**1,346.07**	**1,348.93**	**1,351.89**	**1,354.92**

Thermoelectric Power Demand by County in MGD - Consumptive, Reference Case

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	-	-	-	-	-	-	-	-	-
Ashley	-	-	-	-	-	-	-	-	-
Baxter	-	-	-	-	-	-	-	-	-
Benton	3.45	2.90	3.11	3.60	3.74	3.76	3.76	3.76	3.76
Boone	-	-	-	-	-	-	-	-	-
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	-	-	-	-	-	-	-	-	-
Chicot	-	-	-	-	-	-	-	-	-
Clark	-	-	-	-	-	-	-	-	-
Clay	-	-	-	-	-	-	-	-	-
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	-	-	-	-	-	-	-	-	-
Craighead	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	-	-	-	-	-	-	-	-	-
Cross	-	-	-	-	-	-	-	-	-
Dallas	-	-	-	-	-	-	-	-	-
Desha	-	-	-	-	-	-	-	-	-
Drew	-	-	-	-	-	-	-	-	-
Faulkner	-	-	-	-	-	-	-	-	-
Franklin	0.03	0.04	0.05	0.04	0.05	0.05	0.05	0.06	0.06
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hempstead	0.01	6.85	6.85	6.85	6.85	6.85	6.85	6.85	6.86
Hot Spring	2.28	3.03	2.81	2.91	2.83	3.01	3.09	3.16	3.24
Howard	-	-	-	-	-	-	-	-	-
Independence	19.55	19.66	20.40	20.13	20.23	20.23	20.23	20.23	20.23
Izard	-	-	-	-	-	-	-	-	-
Jackson	-	-	-	-	-	-	-	-	-
Jefferson	18.59	18.74	19.37	19.14	19.22	19.25	19.25	19.25	19.25
Johnson	-	-	-	-	-	-	-	-	-
Lafayette	0.15	0.12	0.10	0.11	0.10	0.12	0.12	0.13	0.13
Lawrence	-	-	-	-	-	-	-	-	-
Lee	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	-	-	-	-	-	-	-	-	-
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	-	-	-	-	-	-	-	-	-
Mississippi	3.18	8.58	8.86	8.76	8.79	8.81	8.83	8.84	8.85
Monroe	-	-	-	-	-	-	-	-	-
Montgomery	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-

Thermoelectric Power Demand by County in MGD - Consumptive, Reference Case

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Newton	-	-	-	-	-	-	-	-	-
Ouachita	0.20	0.27	0.25	0.26	0.25	0.27	0.28	0.29	0.29
Perry	-	-	-	-	-	-	-	-	-
Phillips	-	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Pike	-	-	-	-	-	-	-	-	-
Poinsett	-	-	-	-	-	-	-	-	-
Polk	-	-	-	-	-	-	-	-	-
Pope	27.79	28.24	28.24	28.24	28.24	28.24	28.24	28.24	28.24
Prairie	-	-	-	-	-	-	-	-	-
Pulaski	0.81	1.22	1.13	1.17	1.14	1.22	1.25	1.28	1.32
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	-	0.03	0.02	0.03	0.02	0.03	0.04	0.04	0.05
Saline	-	-	-	-	-	-	-	-	-
Scott	-	-	-	-	-	-	-	-	-
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	-	-	-	-	-	-	-	-	-
Union	5.25	8.16	7.61	7.87	7.67	8.12	8.30	8.48	8.67
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
White	-	-	-	-	-	-	-	-	-
Woodruff	0.05	0.09	0.08	0.08	0.08	0.09	0.09	0.10	0.10
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**81.37**	**98.00**	**98.94**	**99.25**	**99.27**	**100.12**	**100.45**	**100.79**	**101.13**

County Total Water Demand for Crop Irrigation in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	827.3	827.3	827.3	827.3	827.3	827.3	827.3	827.3	827.3
Ashley	141.7	142.4	143.1	143.1	143.1	143.1	143.1	143.1	143.1
Baxter	-	-	-	-	-	-	-	-	-
Benton	-	-	-	-	-	-	-	-	-
Boone	-	-	-	-	-	-	-	-	-
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Carroll	-	-	-	-	-	-	-	-	-
Chicot	275.8	303.25	330.7	330.7	330.7	330.7	330.7	330.7	330.7
Clark	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Clay	544.7	567.75	590.8	597.95	605.1	610.25	615.4	619.4	623.4
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	8.6	7.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Craighead	400.3	416.65	433	433	433	433	433	433	433
Crawford	1.4	1.45	1.5	1.55	1.6	1.65	1.7	1.75	1.8
Crittenden	313.6	350.6	387.6	423.45	459.3	467.7	476.1	476.1	476.1
Cross	534.7	535.1	535.5	535.55	535.6	535.6	535.6	535.6	535.6
Dallas	-	-	-	-	-	-	-	-	-
Desha	429.4	435.45	441.5	441.65	441.8	441.85	441.9	441.9	441.9
Drew	77.3	77.65	78	78	78	78	78	78	78
Faulkner	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Franklin	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	283.5	301.35	319.2	341.45	363.7	363.7	363.7	363.7	363.7
Hempstead	-	-	-	-	-	-	-	-	-
Hot Spring	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Howard	-	-	-	-	-	-	-	-	-
Independence	64.6	71.5	78.4	81.9	85.4	85.4	85.4	85.4	85.4
Izard	-	-	-	-	-	-	-	-	-
Jackson	428	428	428	446.9	465.8	465.8	465.8	465.8	465.8
Jefferson	387.8	412.6	437.4	437.4	437.4	437.4	437.4	437.4	437.4
Johnson	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Lafayette	17.2	19.3	21.4	23.65	25.9	28.1	30.3	32.55	34.8
Lawrence	362.3	376.95	391.6	395.65	399.7	399.7	399.7	399.7	399.7
Lee	275.8	297.65	319.5	341.05	362.6	384.15	405.7	409.1	412.5
Lincoln	219.4	220	220.6	220.6	220.6	220.6	220.6	220.6	220.6
Little River	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Logan	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Lonoke	364.1	358.85	353.6	353.8	354	354	354	354	354
Madison	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Marion	-	-	-	-	-	-	-	-	-
Miller	16.1	11.25	6.4	7.2	8	8.8	9.6	10.4	11.2
Mississippi	339.3	386.55	433.8	481.35	528.9	528.9	528.9	528.9	528.9
Monroe	308.4	331.65	354.9	373.25	391.6	393.05	394.5	394.5	394.5
Montgomery	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Nevada	-	-	-	-	-	-	-	-	-
Newton	-	-	-	-	-	-	-	-	-

County Total Water Demand for Crop Irrigation in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Ouachita	-	-	-	-	-	-	-	-	-
Perry	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Phillips	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7
Pike	-	-	-	-	-	-	-	-	-
Poinsett	721.8	747.5	773.2	773.25	773.3	773.3	773.3	773.3	773.3
Polk	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Pope	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Prairie	253.4	261.3	269.2	269.2	269.2	269.2	269.2	269.2	269.2
Pulaski	33.1	32	30.9	30.5	30.1	29.8	29.5	29.3	29.1
Randolph	164.1	173.6	183.1	183.1	183.1	183.1	183.1	183.1	183.1
St. Francis	337.7	367.6	397.5	430.65	463.8	463.8	463.8	463.8	463.8
Saline	2	2	2	2	2	2	2	2	2
Scott	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Sharp	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
Stone	-	-	-	-	-	-	-	-	-
Union	-	-	-	-	-	-	-	-	-
Van Buren	-	-	-	-	-	-	-	-	-
Washington	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
White	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
Woodruff	301.5	315.45	329.4	330.95	332.5	332.5	332.5	332.5	332.5
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**8,816**	**9,162**	**9,507**	**9,724**	**9,941**	**9,981**	**10,020**	**10,030**	**10,040**

Water Demand Forecast for Livestock by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Ashley	0.035	0.035	0.036	0.036	0.036	0.036	0.036	0.036	0.036
Baxter	0.147	0.147	0.153	0.154	0.154	0.154	0.154	0.154	0.154
Benton	2.134	2.169	2.309	2.348	2.348	2.348	2.348	2.348	2.348
Boone	0.774	0.783	0.828	0.841	0.841	0.841	0.841	0.841	0.841
Bradley	0.13	0.132	0.141	0.143	0.143	0.143	0.143	0.143	0.143
Calhoun	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
Carroll	1.302	1.319	1.403	1.427	1.427	1.427	1.427	1.427	1.427
Chicot	0.026	0.026	0.026	0.027	0.027	0.027	0.027	0.027	0.027
Clark	0.15	0.15	0.156	0.158	0.158	0.158	0.158	0.158	0.158
Clay	0.06	0.06	0.062	0.063	0.063	0.063	0.063	0.063	0.063
Cleburne	0.355	0.358	0.376	0.381	0.381	0.381	0.381	0.381	0.381
Cleveland	0.526	0.539	0.581	0.594	0.594	0.594	0.594	0.594	0.594
Columbia	0.241	0.245	0.261	0.265	0.265	0.265	0.265	0.265	0.265
Conway	0.747	0.759	0.805	0.817	0.817	0.817	0.817	0.817	0.817
Craighead	0.055	0.055	0.057	0.057	0.057	0.057	0.057	0.057	0.057
Crawford	0.342	0.346	0.363	0.368	0.368	0.368	0.368	0.368	0.368
Crittenden	0.009	0.009	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cross	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Dallas	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.022
Desha	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Drew	0.109	0.11	0.117	0.118	0.118	0.118	0.118	0.118	0.118
Faulkner	0.316	0.316	0.325	0.327	0.327	0.327	0.327	0.327	0.327
Franklin	0.613	0.62	0.658	0.669	0.669	0.669	0.669	0.669	0.669
Fulton	0.236	0.236	0.244	0.246	0.246	0.246	0.246	0.246	0.246
Garland	0.074	0.074	0.076	0.077	0.077	0.077	0.077	0.077	0.077
Grant	0.104	0.105	0.111	0.112	0.112	0.112	0.112	0.112	0.112
Greene	0.062	0.062	0.064	0.064	0.064	0.064	0.064	0.064	0.064
Hempstead	1.005	1.02	1.083	1.1	1.1	1.1	1.1	1.1	1.1
Hot Spring	0.142	0.142	0.147	0.148	0.148	0.148	0.148	0.148	0.148
Howard	0.871	0.885	0.94	0.956	0.956	0.956	0.956	0.956	0.956
Independence	0.49	0.495	0.522	0.529	0.529	0.529	0.529	0.529	0.529
Izard	0.31	0.312	0.328	0.332	0.332	0.332	0.332	0.332	0.332
Jackson	0.074	0.074	0.077	0.077	0.077	0.077	0.077	0.077	0.077
Jefferson	0.114	0.116	0.124	0.127	0.127	0.127	0.127	0.127	0.127
Johnson	0.62	0.629	0.67	0.682	0.682	0.682	0.682	0.682	0.682
Lafayette	0.363	0.37	0.395	0.402	0.402	0.402	0.402	0.402	0.402
Lawrence	0.24	0.243	0.257	0.26	0.26	0.26	0.26	0.26	0.26
Lee	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Lincoln	0.525	0.537	0.579	0.591	0.591	0.591	0.591	0.591	0.591
Little River	0.449	0.455	0.481	0.488	0.488	0.488	0.488	0.488	0.488
Logan	0.897	0.911	0.97	0.987	0.987	0.987	0.987	0.987	0.987
Lonoke	0.164	0.165	0.171	0.172	0.172	0.172	0.172	0.172	0.172
Madison	1.058	1.072	1.137	1.155	1.155	1.155	1.155	1.155	1.155
Marion	0.269	0.27	0.284	0.287	0.287	0.287	0.287	0.287	0.287
Miller	0.255	0.258	0.271	0.274	0.274	0.274	0.274	0.274	0.274
Mississippi	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Monroe	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Montgomery	0.27	0.273	0.286	0.29	0.29	0.29	0.29	0.29	0.29
Nevada	0.282	0.286	0.303	0.308	0.308	0.308	0.308	0.308	0.308

Water Demand Forecast for Livestock by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Newton	0.192	0.192	0.199	0.201	0.201	0.201	0.201	0.201	0.201
Ouachita	0.098	0.1	0.106	0.108	0.108	0.108	0.108	0.108	0.108
Perry	0.233	0.236	0.249	0.252	0.252	0.252	0.252	0.252	0.252
Phillips	0.026	0.026	0.027	0.027	0.027	0.027	0.027	0.027	0.027
Pike	0.351	0.355	0.372	0.377	0.377	0.377	0.377	0.377	0.377
Poinsett	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Polk	0.724	0.735	0.778	0.79	0.79	0.79	0.79	0.79	0.79
Pope	0.785	0.797	0.845	0.858	0.858	0.858	0.858	0.858	0.858
Prairie	0.05	0.05	0.051	0.052	0.052	0.052	0.052	0.052	0.052
Pulaski	0.108	0.108	0.113	0.114	0.114	0.114	0.114	0.114	0.114
Randolph	0.268	0.269	0.281	0.284	0.284	0.284	0.284	0.284	0.284
St. Francis	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
Saline	0.071	0.071	0.073	0.073	0.073	0.073	0.073	0.073	0.073
Scott	0.507	0.516	0.55	0.559	0.559	0.559	0.559	0.559	0.559
Searcy	0.229	0.229	0.237	0.239	0.239	0.239	0.239	0.239	0.239
Sebastian	0.428	0.434	0.461	0.468	0.468	0.468	0.468	0.468	0.468
Sevier	0.799	0.812	0.864	0.878	0.878	0.878	0.878	0.878	0.878
Sharp	0.375	0.379	0.399	0.405	0.405	0.405	0.405	0.405	0.405
Stone	0.282	0.285	0.301	0.305	0.305	0.305	0.305	0.305	0.305
Union	0.329	0.337	0.362	0.369	0.369	0.369	0.369	0.369	0.369
Van Buren	0.19	0.191	0.198	0.2	0.2	0.2	0.2	0.2	0.2
Washington	2.301	2.337	2.488	2.53	2.53	2.53	2.53	2.53	2.53
White	0.5	0.502	0.522	0.527	0.527	0.527	0.527	0.527	0.527
Woodruff	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Yell	0.939	0.956	1.019	1.037	1.037	1.037	1.037	1.037	1.037
TOTAL	**26.89**	**27.25**	**28.85**	**29.29**	**29.29**	**29.29**	**29.29**	**29.29**	**29.29**

Water Demand Forecast for Aquaculture by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
Ashley	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
Baxter	-	-	-	-	-	-	-	-	-
Benton	-	-	-	-	-	-	-	-	-
Boone	-	-	-	-	-	-	-	-	-
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	-	-	-	-	-	-	-	-	-
Chicot	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48
Clark	-	-	-	-	-	-	-	-	-
Clay	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	-	-	-	-	-	-	-	-	-
Craighead	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
Cross	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Dallas	-	-	-	-	-	-	-	-	-
Desha	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
Drew	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Faulkner	-	-	-	-	-	-	-	-	-
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	10.75	10.75	10.75	10.75	10.75	10.75	10.75	10.75	10.75
Hempstead	-	-	-	-	-	-	-	-	-
Hot Spring	-	-	-	-	-	-	-	-	-
Howard	-	-	-	-	-	-	-	-	-
Independence	-	-	-	-	-	-	-	-	-
Izard	-	-	-	-	-	-	-	-	-
Jackson	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Jefferson	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Johnson	-	-	-	-	-	-	-	-	-
Lafayette	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16
Lawrence	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Lee	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Lincoln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Little River	-	-	-	-	-	-	-	-	-
Logan	-	-	-	-	-	-	-	-	-
Lonoke	40.04	40.04	40.04	40.04	40.04	40.04	40.04	40.04	40.04
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	-	-	-	-	-	-	-	-	-
Mississippi	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Monroe	5.59	5.59	5.59	5.59	5.59	5.59	5.59	5.59	5.59
Montgomery	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-

Water Demand Forecast for Aquaculture by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Pike	-	-	-	-	-	-	-	-	-
Poinsett	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Polk	-	-	-	-	-	-	-	-	-
Pope	-	-	-	-	-	-	-	-	-
Prairie	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
Pulaski	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Randolph	-	-	-	-	-	-	-	-	-
St. Francis	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Saline	-	-	-	-	-	-	-	-	-
Scott	-	-	-	-	-	-	-	-	-
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	-	-	-	-	-	-	-	-	-
Union	-	-	-	-	-	-	-	-	-
Van Buren	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-	-	-
Woodruff	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Yell	-	-	-	-	-	-	-	-	-
TOTAL	**103.46**	**103.46**	**103.46**	**103.46**	**103.46**	**103.46**	**103.46**	**103.46**	**103.46**

Duck Club, Habitat and Irrigation Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	94.079	94.079	94.079	94.079	94.079	94.079	94.079	94.079	94.079
Ashley	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029
Baxter	-	-	-	-	-	-	-	-	-
Benton	-	-	-	-	-	-	-	-	-
Boone	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Bradley	-	-	-	-	-	-	-	-	-
Calhoun	-	-	-	-	-	-	-	-	-
Carroll	-	-	-	-	-	-	-	-	-
Chicot	-	-	-	-	-	-	-	-	-
Clark	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293	0.293
Clay	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
Cleburne	-	-	-	-	-	-	-	-	-
Cleveland	-	-	-	-	-	-	-	-	-
Columbia	-	-	-	-	-	-	-	-	-
Conway	-	-	-	-	-	-	-	-	-
Craighead	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
Crawford	-	-	-	-	-	-	-	-	-
Crittenden	3.952	3.952	3.952	3.952	3.952	3.952	3.952	3.952	3.952
Cross	0.635	0.635	0.635	0.635	0.635	0.635	0.635	0.635	0.635
Dallas	-	-	-	-	-	-	-	-	-
Desha	8.504	8.504	8.504	8.504	8.504	8.504	8.504	8.504	8.504
Drew	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319
Faulkner	-	-	-	-	-	-	-	-	-
Franklin	-	-	-	-	-	-	-	-	-
Fulton	-	-	-	-	-	-	-	-	-
Garland	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Greene	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191
Hempstead	2.765	2.765	2.765	2.765	2.765	2.765	2.765	2.765	2.765
Hot Spring	0.902	0.902	0.902	0.902	0.902	0.902	0.902	0.902	0.902
Howard	-	-	-	-	-	-	-	-	-
Independence	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432	0.432
Izard	-	-	-	-	-	-	-	-	-
Jackson	11.654	11.654	11.654	11.654	11.654	11.654	11.654	11.654	11.654
Jefferson	13.769	13.769	13.769	13.769	13.769	13.769	13.769	13.769	13.769
Johnson	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
Lafayette	4.931	4.931	4.931	4.931	4.931	4.931	4.931	4.931	4.931
Lawrence	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068	0.068
Lee	8.689	8.689	8.689	8.689	8.689	8.689	8.689	8.689	8.689
Lincoln	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076	0.076
Little River	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Logan	-	-	-	-	-	-	-	-	-
Lonoke	9.91	9.91	9.91	9.91	9.91	9.91	9.91	9.91	9.91
Madison	-	-	-	-	-	-	-	-	-
Marion	-	-	-	-	-	-	-	-	-
Miller	54.842	54.842	54.842	54.842	54.842	54.842	54.842	54.842	54.842
Mississippi	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301	0.301
Monroe	15.959	15.959	15.959	15.959	15.959	15.959	15.959	15.959	15.959
Montgomery	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-

Duck Club, Habitat and Irrigation Water Demand by County in MGD

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Newton	-	-	-	-	-	-	-	-	-
Ouachita	-	-	-	-	-	-	-	-	-
Perry	-	-	-	-	-	-	-	-	-
Phillips	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
Pike	-	-	-	-	-	-	-	-	-
Poinsett	4.539	4.539	4.539	4.539	4.539	4.539	4.539	4.539	4.539
Polk	-	-	-	-	-	-	-	-	-
Pope	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Prairie	12.641	12.641	12.641	12.641	12.641	12.641	12.641	12.641	12.641
Pulaski	0.512	0.512	0.512	0.512	0.512	0.512	0.512	0.512	0.512
Randolph	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.538	0.538
St. Francis	5.134	5.134	5.134	5.134	5.134	5.134	5.134	5.134	5.134
Saline	-	-	-	-	-	-	-	-	-
Scott	-	-	-	-	-	-	-	-	-
Searcy	-	-	-	-	-	-	-	-	-
Sebastian	-	-	-	-	-	-	-	-	-
Sevier	-	-	-	-	-	-	-	-	-
Sharp	-	-	-	-	-	-	-	-	-
Stone	-	-	-	-	-	-	-	-	-
Union	-	-	-	-	-	-	-	-	-
Van Buren	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-
White	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459	0.459
Woodruff	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952
Yell	-	-	-	-	-	-	-	-	-
Total	**259.219**	**259.219**	**259.219**	**259.219**	**259.219**	**259.219**	**259.219**	**259.219**	**259.219**

Total County Water Demand in MGD, with Thermopower Withdrawals

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	926.66	926.67	926.56	926.46	926.37	926.29	926.21	926.14	926.07
Ashley	198.32	195.64	193.09	190.08	187.07	184.11	181.22	178.54	176.08
Baxter	5.88	6.56	6.93	7.30	7.68	8.08	8.53	9.00	9.51
Benton	388.72	339.20	366.53	421.63	440.98	450.24	457.46	465.47	474.34
Boone	6.15	6.55	6.83	7.11	7.36	7.65	7.95	8.28	8.62
Bradley	1.77	1.78	1.75	1.66	1.57	1.48	1.41	1.35	1.29
Calhoun	0.66	0.64	0.62	0.59	0.58	0.56	0.55	0.54	0.53
Carroll	9.88	9.98	10.20	10.37	10.54	10.70	10.87	11.06	11.24
Chicot	283.88	311.23	338.53	338.39	338.27	338.14	338.04	337.95	337.87
Clark	5.57	5.51	5.47	5.42	5.39	5.35	5.33	5.31	5.29
Clay	548.40	571.32	594.29	601.36	608.43	613.52	618.61	622.56	626.51
Cleburne	5.59	5.09	5.12	5.54	4.06	4.20	4.34	4.50	4.67
Cleveland	1.03	1.08	1.12	1.14	1.15	1.16	1.17	1.18	1.20
Columbia	7.36	7.29	7.26	7.05	6.84	6.61	6.39	6.16	5.96
Conway	22.04	20.70	19.39	19.10	16.04	15.35	14.71	14.13	13.63
Craighead	417.56	434.14	451.17	451.85	452.54	453.26	454.01	454.82	455.67
Crawford	14.09	14.80	15.64	16.51	17.42	18.39	19.44	20.58	21.84
Crittenden	327.65	364.52	401.38	437.14	472.94	481.29	489.65	489.62	489.59
Cross	537.83	538.26	538.59	538.57	538.56	538.50	538.44	538.39	538.34
Dallas	0.91	0.84	0.78	0.72	0.67	0.62	0.58	0.54	0.50
Desha	460.03	465.26	470.39	469.69	468.98	468.19	467.43	466.68	465.98
Drew	79.77	80.08	80.41	80.40	80.37	80.34	80.28	80.23	80.18
Faulkner	22.32	23.04	24.35	26.01	26.58	28.16	29.90	31.82	33.94
Franklin	5.18	6.08	6.27	6.14	6.31	6.47	6.78	7.12	7.48
Fulton	1.80	1.89	1.94	1.99	2.04	2.10	2.17	2.24	2.31
Garland	18.23	19.04	19.56	20.13	20.73	21.36	22.04	22.77	23.56
Grant	2.52	2.71	2.83	2.91	2.99	3.08	3.18	3.29	3.41
Greene	301.14	319.15	337.21	359.68	382.15	382.39	382.64	382.90	383.19
Hempstead	7.65	14.47	14.44	14.41	14.36	14.31	14.27	14.24	14.21
Hot Spring	26.92	53.30	49.92	51.46	50.24	52.91	53.96	55.04	56.16
Howard	4.22	4.32	4.33	4.31	4.28	4.25	4.22	4.20	4.18
Independence	129.75	136.60	144.34	147.08	149.73	148.85	147.86	146.89	145.98
Izard	4.95	4.76	4.60	5.25	5.94	6.63	7.29	8.05	8.91
Jackson	442.78	442.58	442.38	461.26	479.94	479.84	479.74	479.66	479.58
Jefferson	470.96	493.71	516.58	514.99	513.64	512.18	510.64	509.16	507.76
Johnson	5.14	5.14	5.21	5.30	5.38	5.45	5.52	5.60	5.70
Lafayette	25.58	27.59	29.64	31.85	34.04	36.21	38.37	40.59	42.82
Lawrence	364.82	379.43	394.07	398.07	402.07	402.02	401.99	401.95	401.92
Lee	285.91	307.63	329.35	350.78	372.22	393.67	415.13	418.47	421.81
Lincoln	222.67	223.29	223.91	223.91	223.90	223.89	223.88	223.88	223.87
Little River	98.61	96.66	95.05	90.81	86.50	82.12	77.74	73.63	69.77
Logan	4.74	4.99	5.10	5.18	5.24	5.31	5.39	5.47	5.56
Lonoke	421.61	417.26	412.80	413.72	414.64	415.40	416.24	417.17	418.18
Madison	3.91	4.01	4.16	4.30	4.41	4.52	4.65	4.78	4.93
Marion	1.79	1.81	1.83	1.83	1.85	1.87	1.90	1.92	1.95
Miller	81.62	77.40	72.91	74.09	75.26	76.46	77.68	78.92	80.18
Mississippi	355.22	407.64	455.21	502.24	549.41	549.03	548.65	548.31	547.98
Monroe	330.89	354.03	377.18	395.42	413.67	415.03	416.41	416.35	416.30
Montgomery	1.43	1.44	1.45	1.45	1.45	1.45	1.47	1.48	1.50
Nevada	1.21	1.21	1.18	1.14	1.11	1.08	1.05	1.02	1.00
Newton	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.86
Ouachita	23.74	30.26	27.89	28.68	27.71	29.28	29.85	30.45	31.08
Perry	1.32	1.35	1.36	1.37	1.37	1.38	1.40	1.41	1.42
Phillips	268.60	269.80	269.07	269.02	268.62	268.77	268.77	268.80	268.86
Pike	1.43	1.38	1.37	1.36	1.34	1.33	1.32	1.31	1.31
Poinsett	729.66	755.34	780.96	780.94	780.94	780.88	780.84	780.80	780.77
Polk	3.44	3.34	3.40	3.48	3.57	3.71	3.89	4.11	4.41

Total County Water Demand in MGD, with Thermopower Withdrawals

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Pope	755.53	836.31	836.51	836.73	836.84	837.05	837.26	837.49	837.74
Prairie	287.85	295.60	303.39	303.30	303.22	303.14	303.07	303.01	302.97
Pulaski	89.00	86.58	85.34	84.85	84.38	84.21	84.06	84.09	84.22
Randolph	166.79	176.35	185.86	185.86	185.87	185.88	185.89	185.92	185.94
St. Francis	347.84	377.22	406.83	439.74	472.65	472.44	472.25	472.07	471.90
Saline	16.28	15.88	16.45	16.70	17.03	17.44	17.96	18.59	19.32
Scott	3.09	3.10	3.14	3.17	3.18	3.20	3.21	3.24	3.25
Searcy	0.94	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85
Sebastian	21.29	20.83	21.08	21.38	21.72	22.10	22.53	23.00	23.50
Sevier	4.23	4.28	4.36	4.41	4.43	4.48	4.51	4.56	4.62
Sharp	2.21	2.27	2.29	2.30	2.31	2.32	2.34	2.36	2.38
Stone	1.39	1.37	1.40	1.41	1.43	1.45	1.47	1.49	1.53
Union	18.63	21.81	21.31	21.11	20.46	20.45	20.16	19.90	19.67
Van Buren	5.39	5.93	5.58	2.92	2.96	3.02	3.07	3.13	3.20
Washington	29.94	32.12	34.85	37.49	40.11	42.89	45.91	49.21	52.78
White	106.69	106.83	106.94	107.84	105.24	105.57	105.91	106.29	106.69
Woodruff	308.37	325.61	338.60	340.47	341.63	342.25	342.50	342.77	343.05
Yell	5.73	5.54	5.52	5.48	5.43	5.36	5.31	5.25	5.20
Total	**11,093.11**	**11,519.16**	**11,885.07**	**12,155.49**	**12,377.89**	**12,430.43**	**12,478.71**	**12,500.93**	**12,526.07**

Total County Water Demand in MGD, with Thermopower Consumption

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Arkansas	926.66	926.67	926.56	926.46	926.37	926.29	926.21	926.14	926.07
Ashley	198.32	195.64	193.09	190.08	187.07	184.11	181.22	178.54	176.08
Baxter	5.88	6.56	6.93	7.30	7.68	8.08	8.53	9.00	9.51
Benton	47.59	52.54	58.17	64.81	71.06	77.60	84.82	92.83	101.70
Boone	6.15	6.55	6.83	7.11	7.36	7.65	7.95	8.28	8.62
Bradley	1.77	1.78	1.75	1.66	1.57	1.48	1.41	1.35	1.29
Calhoun	0.66	0.64	0.62	0.59	0.58	0.56	0.55	0.54	0.53
Carroll	9.88	9.98	10.20	10.37	10.54	10.70	10.87	11.06	11.24
Chicot	283.88	311.23	338.53	338.39	338.27	338.14	338.04	337.95	337.87
Clark	5.57	5.51	5.47	5.42	5.39	5.35	5.33	5.31	5.29
Clay	548.40	571.32	594.29	601.36	608.43	613.52	618.61	622.56	626.51
Cleburne	5.59	5.09	5.12	5.54	4.06	4.20	4.34	4.50	4.67
Cleveland	1.03	1.08	1.12	1.14	1.15	1.16	1.17	1.18	1.20
Columbia	7.36	7.29	7.26	7.05	6.84	6.61	6.39	6.16	5.96
Conway	22.04	20.70	19.39	19.10	16.04	15.35	14.71	14.13	13.63
Craighead	417.56	434.14	451.17	451.85	452.54	453.26	454.01	454.82	455.67
Crawford	14.09	14.80	15.64	16.51	17.42	18.39	19.44	20.58	21.84
Crittenden	327.65	364.52	401.38	437.14	472.94	481.29	489.65	489.62	489.59
Cross	537.83	538.26	538.59	538.57	538.56	538.50	538.44	538.39	538.34
Dallas	0.91	0.84	0.78	0.72	0.67	0.62	0.58	0.54	0.50
Desha	460.03	465.26	470.39	469.69	468.98	468.19	467.43	466.68	465.98
Drew	79.77	80.08	80.41	80.40	80.37	80.34	80.28	80.23	80.18
Faulkner	22.32	23.04	24.35	26.01	26.58	28.16	29.90	31.82	33.94
Franklin	3.20	3.29	3.35	3.39	3.43	3.47	3.51	3.56	3.62
Fulton	1.80	1.89	1.94	1.99	2.04	2.10	2.17	2.24	2.31
Garland	18.23	19.04	19.56	20.13	20.73	21.36	22.04	22.77	23.56
Grant	2.52	2.71	2.83	2.91	2.99	3.08	3.18	3.29	3.41
Greene	301.14	319.15	337.21	359.68	382.15	382.39	382.64	382.90	383.19
Hempstead	7.65	14.47	14.44	14.41	14.36	14.31	14.27	14.24	14.21
Hot Spring	12.34	12.71	12.43	12.51	12.40	12.54	12.54	12.55	12.57
Howard	4.22	4.32	4.33	4.31	4.28	4.25	4.22	4.20	4.18
Independence	129.75	136.60	144.34	147.08	149.73	148.85	147.86	146.89	145.98
Izard	4.95	4.76	4.60	5.25	5.94	6.63	7.29	8.05	8.91
Jackson	442.78	442.58	442.38	461.26	479.94	479.84	479.74	479.66	479.58
Jefferson	470.96	493.71	516.58	514.99	513.64	512.18	510.64	509.16	507.76
Johnson	5.14	5.14	5.21	5.30	5.38	5.45	5.52	5.60	5.70
Lafayette	25.58	27.59	29.64	31.85	34.04	36.21	38.37	40.59	42.82
Lawrence	364.82	379.43	394.07	398.07	402.07	402.02	401.99	401.95	401.92
Lee	285.91	307.63	329.35	350.78	372.22	393.67	415.13	418.47	421.81
Lincoln	222.67	223.29	223.91	223.91	223.90	223.89	223.88	223.88	223.87
Little River	98.61	96.66	95.05	90.81	86.50	82.12	77.74	73.63	69.77
Logan	4.74	4.99	5.10	5.18	5.24	5.31	5.39	5.47	5.56
Lonoke	421.61	417.26	412.80	413.72	414.64	415.40	416.24	417.17	418.18
Madison	3.91	4.01	4.16	4.30	4.41	4.52	4.65	4.78	4.93
Marion	1.79	1.81	1.83	1.83	1.85	1.87	1.90	1.92	1.95
Miller	81.62	77.40	72.91	74.09	75.26	76.46	77.68	78.92	80.18
Mississippi	355.22	407.64	455.21	502.24	549.41	549.03	548.65	548.31	547.98
Monroe	330.89	354.03	377.18	395.42	413.67	415.03	416.41	416.35	416.30
Montgomery	1.43	1.44	1.45	1.45	1.45	1.45	1.47	1.48	1.50
Nevada	1.21	1.21	1.18	1.14	1.11	1.08	1.05	1.02	1.00
Newton	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.86
Ouachita	3.55	3.32	3.08	2.87	2.66	2.49	2.33	2.19	2.06
Perry	1.32	1.35	1.36	1.37	1.37	1.38	1.40	1.41	1.42
Phillips	268.60	268.34	268.07	267.81	267.57	267.36	267.17	267.01	266.87
Pike	1.43	1.38	1.37	1.36	1.34	1.33	1.32	1.31	1.31
Poinsett	729.66	755.34	780.96	780.94	780.94	780.88	780.84	780.80	780.77
Polk	3.44	3.34	3.40	3.48	3.57	3.71	3.89	4.11	4.41

Total County Water Demand in MGD, with Thermopower Consumption

County	Base Period	2015	2020	2025	2030	2035	2040	2045	2050
Pope	41.97	42.24	42.44	42.67	42.77	42.98	43.19	43.42	43.67
Prairie	287.85	295.60	303.39	303.30	303.22	303.14	303.07	303.01	302.97
Pulaski	89.00	86.58	85.34	84.85	84.38	84.21	84.06	84.09	84.22
Randolph	166.79	176.35	185.86	185.86	185.87	185.88	185.89	185.92	185.94
St. Francis	347.84	377.22	406.83	439.74	472.65	472.44	472.25	472.07	471.90
Saline	16.28	15.88	16.45	16.70	17.03	17.44	17.96	18.59	19.32
Scott	3.09	3.10	3.14	3.17	3.18	3.20	3.21	3.24	3.25
Searcy	0.94	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85
Sebastian	21.29	20.83	21.08	21.38	21.72	22.10	22.53	23.00	23.50
Sevier	4.23	4.28	4.36	4.41	4.43	4.48	4.51	4.56	4.62
Sharp	2.21	2.27	2.29	2.30	2.31	2.32	2.34	2.36	2.38
Stone	1.39	1.37	1.40	1.41	1.43	1.45	1.47	1.49	1.53
Union	18.63	21.81	21.31	21.11	20.46	20.45	20.16	19.90	19.67
Van Buren	5.39	5.93	5.58	2.92	2.96	3.02	3.07	3.13	3.20
Washington	29.94	32.12	34.85	37.49	40.11	42.89	45.91	49.21	52.78
White	106.69	106.83	106.94	107.84	105.24	105.57	105.91	106.29	106.69
Woodruff	303.98	317.89	331.73	333.20	334.66	334.59	334.53	334.48	334.43
Yell	5.73	5.54	5.52	5.48	5.43	5.36	5.31	5.25	5.20
Total	**9,997.28**	**10,358.95**	**10,709.55**	**10,928.63**	**11,140.12**	**11,184.48**	**11,230.23**	**11,249.83**	**11,272.28**