

The U.S. Animal Feed and Pet Food Manufacturing Industry Economic Contribution Study

Prepared
for:



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Contents

- List of Figures 4
- Executive Summary..... 5
 - Several States, Congressional Districts Stand Out in Contributions to the Economy..... 5
 - Factors That Sway Industry’s Economic Growth and Development..... 6
 - Future Outlook 6
- Background on the Animal Food Industry 7
 - Challenges and Opportunities 9
- Methodology..... 10
 - Economic Impact Study versus Economic Contribution Study 10
 - IMPLAN: Helping Define the Animal Feed and Pet Food Manufacturing and Related Industries 10
- Combined National and State Results 12
 - Definitions 12
 - Jobs..... 13
 - Total Sales 14
 - Value-Added..... 15
 - Labor Income..... 16
 - Taxes..... 17
- Combined Congressional District Results 18
 - Congressional District Jobs..... 18
 - Congressional District Total Sales 19
 - Congressional District Value-Added..... 20
 - Congressional District Labor Income..... 21
 - Congressional District Taxes..... 22
- Animal Feed National and State Results..... 23
 - Jobs..... 24
 - Total Sales 25
 - Value-Added..... 26
 - Labor Income..... 27

Taxes.....	28
Animal Feed Congressional District Results.....	29
Jobs.....	29
Total Sales	30
Value-Added.....	31
Labor Income.....	32
Taxes.....	33
Pet Food National and State Results	34
Jobs.....	35
Total Sales	36
Value-Added.....	37
Labor Income.....	38
Taxes.....	39
Pet Food Congressional District Results	40
Jobs.....	40
Total Sales	41
Value-Added.....	42
Labor Income.....	43
Taxes.....	44
Research Implications.....	46
Animal Producing Regions.....	46
Changing Consumer Preferences	46
Policy Changes That May Impact the Industry’s Future Outlook	47
Immigration	47
Veterinary Feed Directive.....	47
Food Safety Modernization Act.....	47
Appendix A, Detailed State Results.....	48
Appendix B, Detailed Congressional District Results.....	50

List of Figures

Figure 1, Cities with at Least One Feed Mill	7
Figure 2, Cities with at Least One Pet Food Manufacturing Facility.....	8
Figure 3, Animal Feed and Pet Food Industry Employment by State.....	13
Figure 4, Animal Feed and Pet Food Industry Total Sales (\$M) by State	14
Figure 5, Animal Feed and Pet Food Industry Value-Added (\$M) by State.....	15
Figure 6, Animal Feed and Pet Food Industry Labor Income (\$M) by State.....	16
Figure 7, Animal Feed and Pet Food Industry Taxes (\$M) by State.....	17
Figure 8, Animal Feed and Pet Food Industry Jobs by Congressional District.....	18
Figure 9, Animal Feed and Pet Food Industry Total Sales (\$M) by Congressional District.....	19
Figure 10, Animal Feed and Pet Food Industry Value-Added (\$M) by Congressional District.....	20
Figure 11, Animal Feed and Pet Food Industry Labor Income (\$M) by Congressional District.....	21
Figure 12, Animal Feed and Pet Food Industry Taxes (\$M) by Congressional District.....	22
Figure 13, Animal Feed Industry Employment by State	24
Figure 14, Animal Feed Industry Total Sales (\$M) by State	25
Figure 15, Animal Feed Industry Value-Added (\$M) by State	26
Figure 16, Animal Feed Industry Labor Income (\$M) by State	27
Figure 17, Animal Feed Industry Taxes (\$M) by State	28
Figure 18, Animal Feed Industry Jobs by Congressional District	29
Figure 19, Animal Feed Industry Total Sales (\$M) by Congressional District	30
Figure 20, Animal Feed Industry Value-Added (\$M) by Congressional District	31
Figure 21, Animal Feed Industry Labor Income (\$M) by Congressional District	32
Figure 22, Animal Feed Industry Taxes (\$M) by Congressional District	33
Figure 23, Pet Food Industry Employment by State	35
Figure 24, Pet Food Industry Total Sales (\$M) by State.....	36
Figure 25, Pet Food Industry Value-Added (\$M) by State.....	37
Figure 26, Pet Food Industry Labor Income (\$M) by State.....	38
Figure 27, Pet Food Industry Taxes (\$M) by State.....	39
Figure 28, Pet Food Industry Jobs by Congressional District.....	40
Figure 29, Pet Food Industry Total Sales (\$M) by Congressional District.....	41
Figure 30, Pet Food Industry Value-Added (\$M) by Congressional District.....	42
Figure 31, Pet Food Industry Labor Income (\$M) by Congressional District.....	43
Figure 32, Pet Food Industry Taxes (\$M) by Congressional District.....	44

Executive Summary

America's animal feed and pet food manufacturing industry (i.e., feed mills) is an important driver of economic activity in the United States. Through purchases from and sales to many other industries, the animal feed and pet food manufacturing industry has a large impact on the local, state and national economies. Given generally increasing worldwide demand for protein and pet ownership rates, it is expected that this industry will continue to thrive and contribute to the economic well-being of the United States.

In 2016, the Institute for Feed Education and Research (IFEEDER) commissioned Decision Innovation Solutions (DIS), an economic research and analysis firm, to conduct a first-ever economic analysis of the U.S. animal feed and pet food manufacturing industry's contribution to the economy. These estimated values are derived from the IMPLAN¹ modeling system, and showed that the U.S. animal feed and pet food manufacturing industry contributed the following to the national economy in 2016:

- **944,227** jobs
- **\$297.1 billion** in total sales, which includes
 - **\$102.0 billion** in value-added, including **\$55.9 billion** in labor income
- **\$22.5 billion** in local, state and national taxes

This study demonstrates the importance of the **5,715** animal feed mills and **517** pet food facilities in the U.S., including those listed by the Food and Drug Administration (FDA) as licensed medicated feed mills and non-licensed, across the United States.

In addition to estimating the industry's national economic contribution, the industry's economic contribution was calculated at the federal congressional district and state levels. While the results for these study areas are included in greater detail later in the report, a few highlights are presented below.

Several States, Congressional Districts Stand Out in Contributions to the Economy

Five states consistently rank at the top of all reported economic measures: Missouri, California, Texas, Pennsylvania and Iowa. These leading states all have a valuable combination of animal feed and pet food mills that drive economic activity. Each of these five states are home to anywhere from 17 pet food mills in Missouri to 89 in Pennsylvania, and 149 animal feed mills in California to almost 680 in Texas. Together, the animal feed and pet food manufacturers in the top five states contribute the following total to the economy:

- **337,051** jobs

¹ IMPLAN (Economic IMpact Analysis for PLANning): IMPLAN is a world leader in providing economic impact data and modeling to demonstrate how industries, businesses and policies interact with and shape the economy. <http://implan.com/>

- **\$105.2 billion** in total sales, including **\$37.9 billion** in value-added and **\$21.0 billion** in labor income
- **\$8.3 billion** in taxes at the local, state and national level

Five congressional districts consistently rank at the top of all reported economic measures: Kansas-2, Iowa-4, Iowa-2, Kansas-1 and Nebraska-3. These congressional districts are in the Midwest or plains states, which is where a significant portion of livestock and poultry are raised. There is a wide variation in the number and size of the animal feed and pet food manufacturing facilities in these congressional districts, something which is explained in further detail throughout this report. The animal feed and pet food and related industries in the top five congressional districts contribute the following total to the economy:

- **97,987 jobs**
- **\$32.7 billion** in total sales, including roughly **\$9.8 billion** in value-added and at least **\$5.5 billion** in labor income
- At least **\$2.1 billion** in taxes at the local, state and national levels

Factors That Sway Industry's Economic Growth and Development

Although demand for animal feed and pet food is expected to thrive, several factors that impact demand can play a role in the economic output of this combined industry.

For example, from 2011-2013, severe drought conditions shifted animal production, particularly beef cattle, to the Upper Plains and Midwest areas (North Dakota, South Dakota, Nebraska and Iowa) of the United States, largely in pursuit of better access to key feed ingredients. Within the last two years, however, adequate rainfall and more favorable weather conditions has slowed the shift of cattle from Texas and Kansas. Similarly, in 2015, the avian influenza outbreak led to a decline in laying hen inventories in key egg-producing states, such as Iowa and Minnesota, which experienced some economic drag due to the disease.

Recently, improved environmental and weather conditions and a lack of animal disease outbreaks has led to animal populations largely recovering across the country. The current demand for feed is strong, which bodes well for the industry's continued economic contribution.

Future Outlook

This report examined and reported on the U.S. animal feed and pet food manufacturing industry's economic contribution in 2016. While it is certainly instructive and should be used as a tool to explain the industry's recent impact, many opportunities and challenges will undoubtedly arise for this industry as the next several years unfold in the United States.

Background on the Animal Food Industry

Across the United States, more than 9.6 billion² food-producing animals are raised annually. These include broilers, turkeys, egg-laying hens (layers), hogs, dairy cows, beef cows, horses, aquaculture, sheep and meat goats. As such, U.S. animal agriculture, mainly farmers and ranchers, are the animal feed industry's primary customers.

To best serve its customers and meet the demand, feed mills must have two aspects of the business economized by location, both of which deal with minimizing transportation costs. The first is a location within proximity to feed inputs (e.g., grains and oilseeds). The second is a location that minimizes feed transportation costs to the animals that will consume the feed. With these two considerations in mind, it is clear why the areas with the most feed mills coincide with the most concentrated populations of animals on feed and inputs for feed processing.

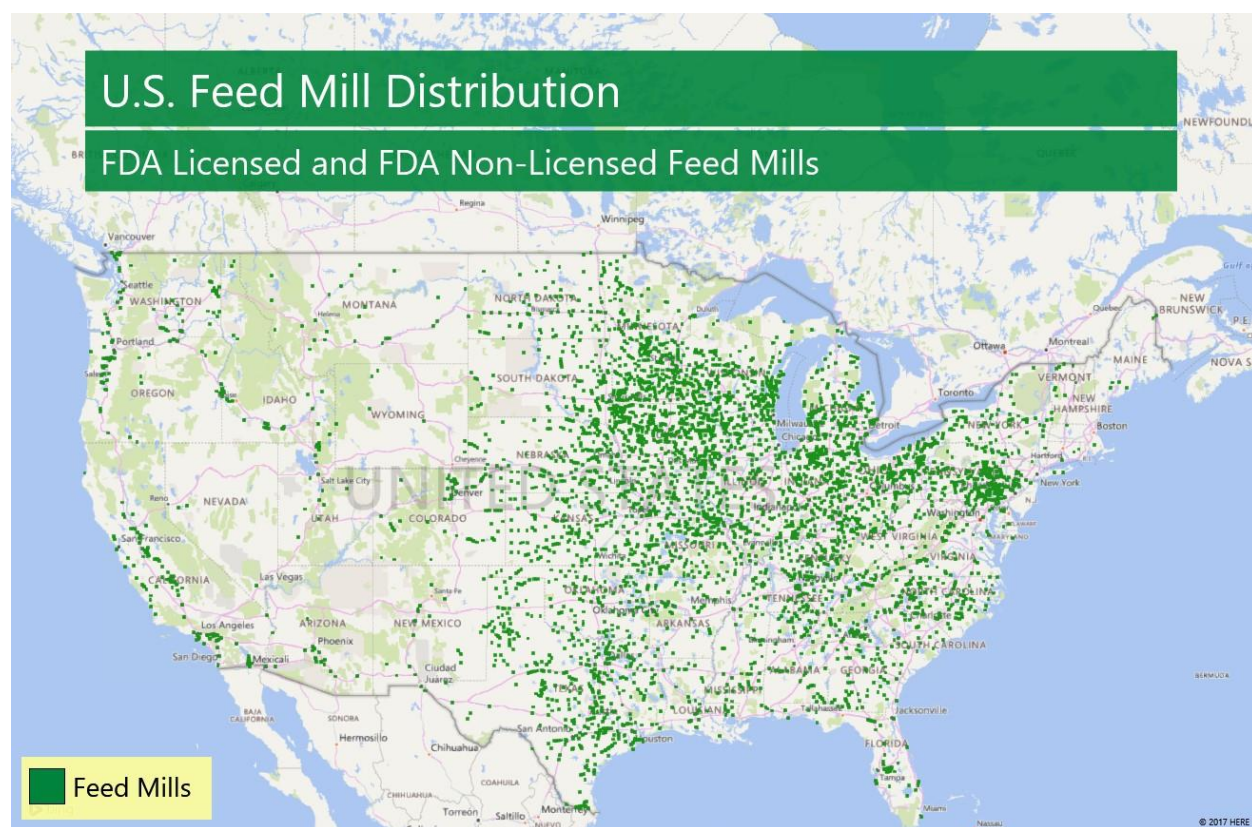


Figure 1, Cities with at Least One Feed Mill

Figure 1 represents cities which have at least one feed mill across the United States. The data behind this map came from a list of feed mills from the U.S. Food and Drug Administration³.

² Source: http://www.afia.org/rc_files/865/afia_industry_infographic.pdf

³ FDA BSE/Ruminant Feed Inspections Firms Inventory (accessed on 09/27/2017): <https://www.accessdata.fda.gov/scripts/BSEinspect/view/search.cfm>

With the data presented, a clear conclusion can be made that the concentration of animals on feed as well as the production of the necessary feed ingredients occurs in the midwestern, southern and eastern regions of the United States.

As mentioned previously, this analysis also addresses the economic contribution of the pet food manufacturing industry. Some of the industry's (animal feed and pet food) other large consumers are pet owners of companion animals, mainly dogs and cats. There are roughly 70 million dogs and 74 million cats⁴ in the United States, a large share of which are considered part of the family. As such, pet owners only want the best for their pets to eat, causing production, marketing and consumption of pet food to follow a similar pattern as consumption of food for humans. The distribution of pet food mills is relevant for results in this analysis; the cities that have at least one of the 517 U.S. pet food manufacturing facilities is shown in Figure 2. The data behind this map came from a list from the U.S. Food and Drug Administration⁵.



Figure 2, Cities with at Least One Pet Food Manufacturing Facility

⁴ Source: http://www.afia.org/rc_files/865/afia_industry_infographic.pdf

⁵ FDA BSE/Ruminant Feed Inspections Firms Inventory (accessed on 09/27/2017): <https://www.accessdata.fda.gov/scripts/BSEinspect/view/search.cfm>

Challenges and Opportunities

The animal feed industry, like any sector within agriculture, is regularly evolving with market conditions, adapting to consumer tastes and preferences, sifting through regulatory hurdles, and managing environmental challenges beyond their control.

For example, within the last few years, the agricultural industry contained a major animal disease, the Porcine Epidemic Diarrhea Virus (PEDv), just prior to another one, Highly Pathogenic Avian Influenza (HPAI), surfacing. These diseases devastated the animal agricultural industry, resulting in major economic losses. Hog inventories temporarily declined in 2013 due to PEDv. The disease caused significant morbidity and mortality, particularly in young piglets. Overall, the U.S. Dec. 1, 2013, inventory of under-50-pound hogs was equal to 18,389 million head compared to the Dec. 1, 2012, inventory of 19,299 million head⁶ in the same category.

The Avian Influenza outbreak of 2015 was the largest animal health emergency in U.S. history. More than 48 million birds died, either due to infection with the virus or depopulation to prevent additional spreading. The avian influenza outbreak had a very visible, enormous impact on the ability of U.S. egg producers to deliver eggs, as seen with the all-time high U.S. retail grade A egg price of \$2.966 per dozen⁷ during September 2015.

In addition to animal disease outbreaks, federal regulations can also impact the animal feed industry. The Food Safety Modernization Act (FSMA), which went into effect in January 2011, placed new regulations on the U.S. animal feed and pet food industries.

Although animal agriculture has faced recent hurdles and must continue to evolve to address current and emerging challenges, odds are good that the industry will adapt and continue to grow stronger, thereby allowing animal feed and pet food facilities to remain economically healthy.

A few opportunities exist for the industry to grow and adapt in the future, including a shift in the production and processing of livestock and poultry due to environmental conditions (e.g., droughts) and regulatory forces. Other opportunities for expansion include branching into new markets, such as the continued expansion of aquaculture, which implies more consumption of animal feed. Recent innovations in aquaculture production processes show promise for it to be adopted in more varied forms and applications in the future.

Also, consumer demand for organic food production is likely to continue increasing in the future. This has implications not only for additional differentiation of meat and poultry production, but also supply chain identity preservation (i.e., identifying and isolating specific characteristics, such as organic products, throughout the supply chain) for both feed ingredients and meat and poultry products.

⁶ USDA NASS Quick Stats: <https://quickstats.nass.usda.gov/>

⁷ USDA Economic Research Service (ERS)

Methodology⁸

Commissioned by IFEEDER, DIS conducted this analysis that analyzed the 2016 economic contribution of the animal feed and pet food industry. This section details the adopted methodology for estimating the economic contribution of the animal feed and pet food manufacturing industry for all study areas at the congressional district, state and national levels.

Economic Impact Study versus Economic Contribution Study

This study is called an “economic contribution study,” which looks at understanding the animal feed and pet food manufacturing and related industries *current* contribution to the respective study area economies (e.g. congressional district, state and national levels). This is a key difference from what is traditionally termed an “economic impact study,” which attempts to understand the economic impacts of a *change* occurring within an economy, such as when a business or industry enters or leaves an area or the expansion or contraction of an existing business or industry. With an economic contribution study, the sum of individual industry estimates will not differ from the total of what exists in a given study area; phrased differently, the double-counting issue is avoided.

This analysis—using an economic contribution model—is an effort to evaluate the existing industry structure within an existing economy, instead of the sudden “shocks” to an economy, which an economic impact study would assess.

IMPLAN: Helping Define the Animal Feed and Pet Food Manufacturing and Related Industries

When completing an economic contribution study, there are generally questions as to how far up and down the value chain a particular industry should be assessed. Outlined below is the process used in this study for defining the animal feed and pet food manufacturing industries.

IMPLAN, which stands for IMPact analysis for PLANning, is an input-output model used to understand industry relationships and conduct economic assessments for specified local economies. IMPLAN datasets are constructed annually and are derived from many different sources, including the U.S. Bureau of Labor Statistics (BLS), the U.S. Bureau of Economic Analysis (BEA), the U.S. Bureau of Economic Analysis Benchmark Input-Output Account of the U.S., the BEA output estimates, the U.S. Census Bureau’s economic censuses and surveys, the U.S. Department of Agriculture’s census, and more⁹.

⁸ In late 2016, DIS was involved in an IMPLAN-sponsored workshop where standardized methodology was developed to make reporting results of studies more consistent. Documentation on this methodology can be found on the [IMPLAN website](#).

⁹ Day, Frances. *Principles of Impact Analysis and IMPLAN Applications* (pp. 7, 13-14)

The 2015--latest available--IMPLAN data package was used for this portion of the analysis. The IMPLAN modeling system contains 536 industries, which are aggregations of all North American Industry Classification System (NAICS) codes. Within the 536 industries are many that deal with crops and livestock and the processing of these commodities into other products. The following industries were most appropriate for inclusion in this economic contribution analysis.

- Sector 65, Dog and Cat Food Manufacturing
- Sector 66, Animal Feed Manufacturing

Using inflation factors inherent in the IMPLAN modeling system, all numbers within these sectors were brought forward from 2015 to 2016.

Combined National and State Results

Contained in this section are results for the national study area. To shed further details on how these results break down across states, high-level estimates and maps are also included.

Further detail on the states and congressional districts can be found in their respective reports, Appendix A: Detailed State Results or in Appendix B: Detailed Congressional District Results.

In 2016, the U.S. animal feed and pet food manufacturing industries contributed the following to the national economy:

- **\$297.1 billion** in total sales, which includes
 - **\$102.0 billion** in value-added, including **\$55.9 billion** in labor income
- **944,227 jobs**
- **\$22.5 billion** in local, state and national taxes

Definitions

For this economic contribution study, results are reported according to the following measures, which are defined below:

- **Total Sales:** The broadest measure of economic activity – sometimes referred to as “economic output.”
- **Value-Added:** A component of “total sales” (defined above), this measure includes total sales minus the costs of inputs (i.e., grains). Value-added includes labor income (further defined below), taxes on production and imports, and other property-type income.
- **Labor Income:** A subset of “value-added” (defined above), includes the sum of employee compensation (i.e., wages) and proprietor income (self-employed).
- **Employment (Jobs):** A measure of part- and full-time job positions, including contract workers.
- **Taxes:** The sum of taxes paid at the local, state and national levels by all directly and indirectly affected industries as a result of the animal feed and pet food industry existing.

Jobs

“Jobs” represents an estimate of the number of part- or full-time and contract positions (i.e., jobs) currently filled in an area and/or industry. Since it is not representative only of full-time positions, care must be made when drawing comparisons. The estimates provided here originate from the IMPLAN input-output model database and includes types of jobs such as: feed mill operators, maintenance workers, sales staff and office support.

Across the country, the animal feed and pet food manufacturing industries contributed 944,227 jobs within and related to this industry in the United States in 2016. The leading states in this category include Missouri, California, Texas, Pennsylvania and Iowa. These leading states all have a valuable combination of animal feed and pet food mills that drive economic activity. Each of these five states are home to at least 17 pet food manufacturing facilities and at least 149 animal feed mills.

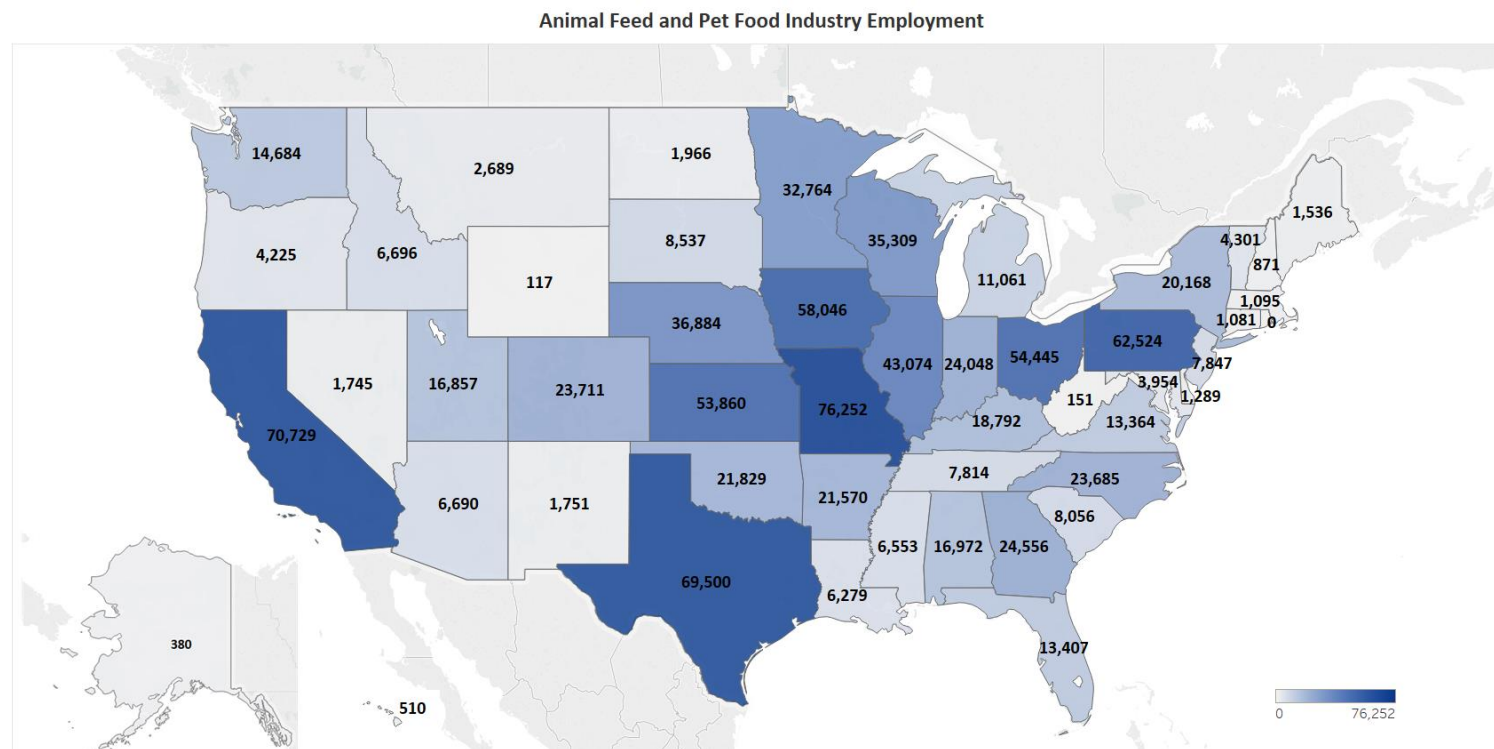


Figure 3, Animal Feed and Pet Food Industry Employment by State

Total Sales

“Total sales” refers to the total value of all sales of an industry within a study area. This is a gross number that does not make any deductions for the cost or origination of inputs that were used in the production process. The animal feed and pet food manufacturing industries contribute roughly \$297.1 billion in total sales within and related to this industry in the United States. These sales include sales of animal feed, pet food, derived from the purchase of ingredients, feed supplements, minerals, premixes and more.

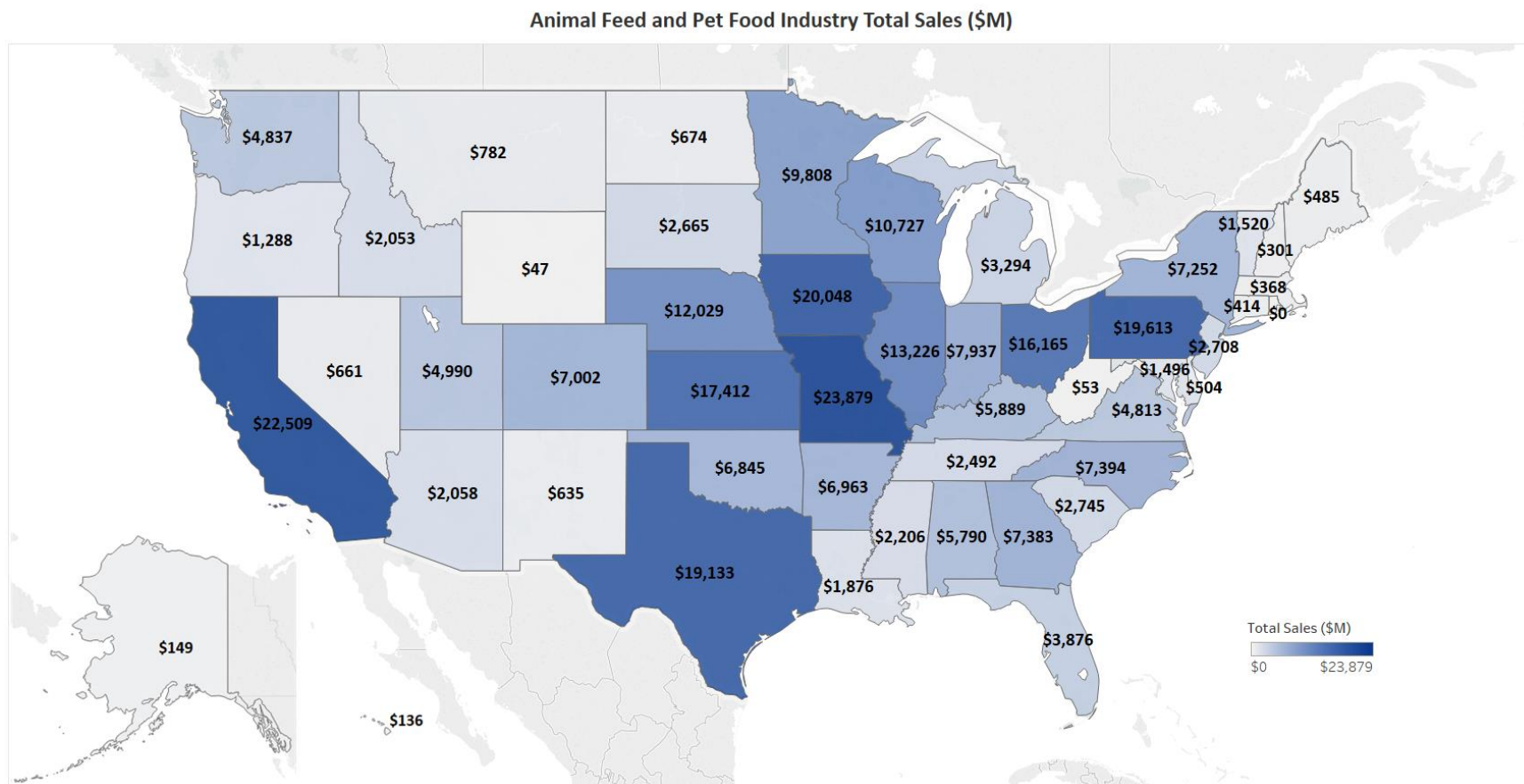


Figure 4, Animal Feed and Pet Food Industry Total Sales (\$M) by State

Value-Added

“Value-added” refers to the portion of total sales that the industry created in an area and is an accurate indicator of the ability for an industry to improve the economic prospects in a given area. Value-added is the value of the industry’s total sales minus the value of any inputs (e.g., grains) used in the production process from other industries. Key components of value-added are labor income (i.e., employee compensation and wages) and proprietor’s income (self-employed). The animal feed and pet food manufacturing industries contribute \$102 billion in value-added within and related to this industry in the United States. In addition to purchasing needed inputs (e.g., grains, spices and packaging inputs), the animal feed and pet food manufacturing industry also generates economic activity by utilizing many related services and industries such as transportation services, advertising businesses, financial institutions and more.

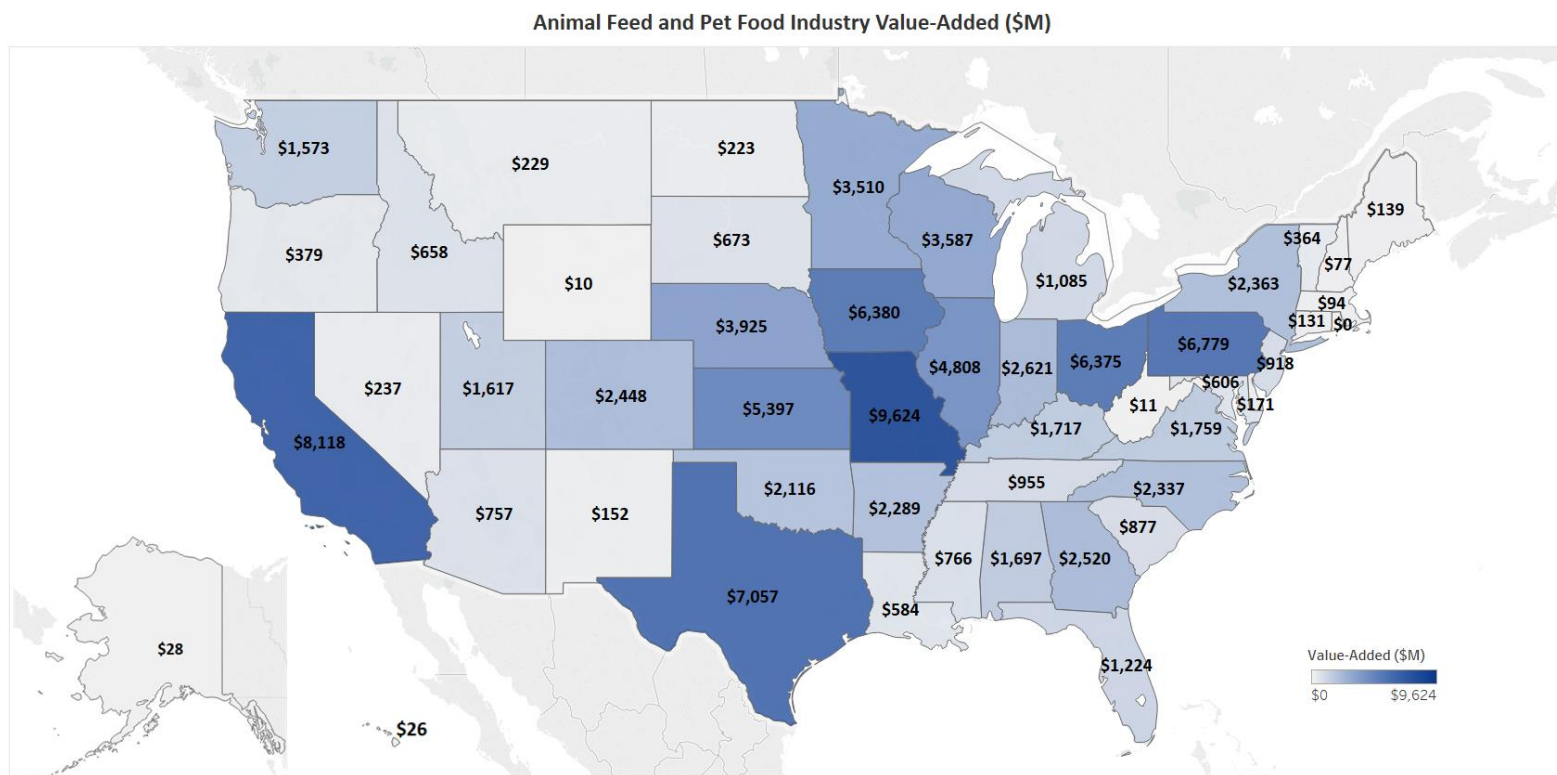


Figure 5, Animal Feed and Pet Food Industry Value-Added (\$M) by State

Labor Income

“Labor income” is the sum of employee compensation (wages) and proprietor’s income (self-employed) and is a sub-component of value-added. The animal feed and pet food industry is estimated to contribute \$55.9 billion in labor income within and related to the animal feed and pet food manufacturing industry. California, Missouri, Pennsylvania, Texas and Iowa are leading states in labor income generated by the animal feed and pet food industry. Each of these top states have a considerable number of animal feed and pet food mills. For example, Pennsylvania is home to more than 80 pet food facilities and 300 animal feed mills.

Animal Feed and Pet Food Industry Labor Income (\$M)

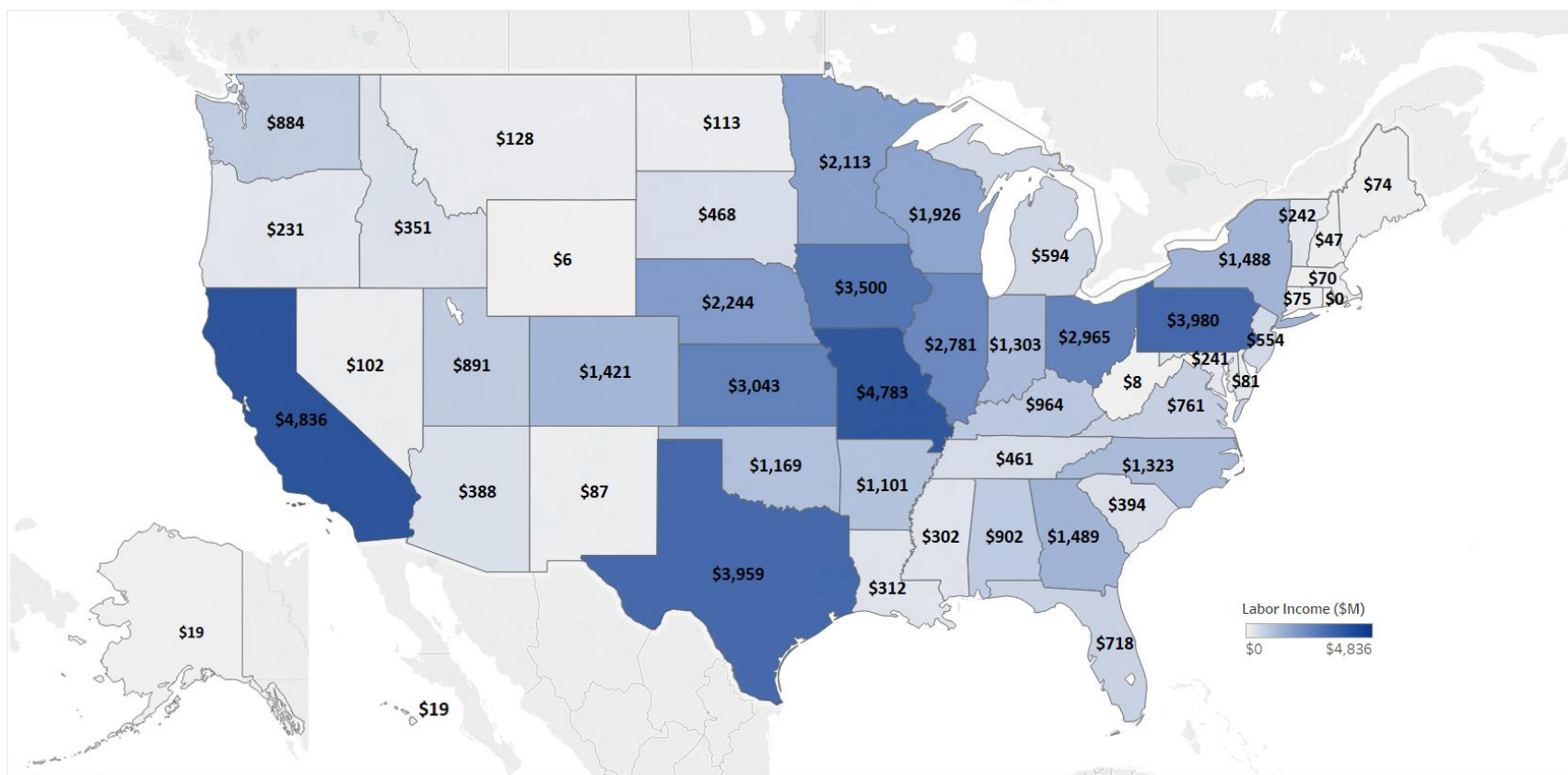


Figure 6, Animal Feed and Pet Food Industry Labor Income (\$M) by State

Taxes

The animal feed and pet food manufacturing industry and related economic activities are also a source of tax revenue—contributing a cumulative total of \$22.5 billion at the local, state and national levels.

Animal Feed and Pet Food Industry Taxes (\$M)

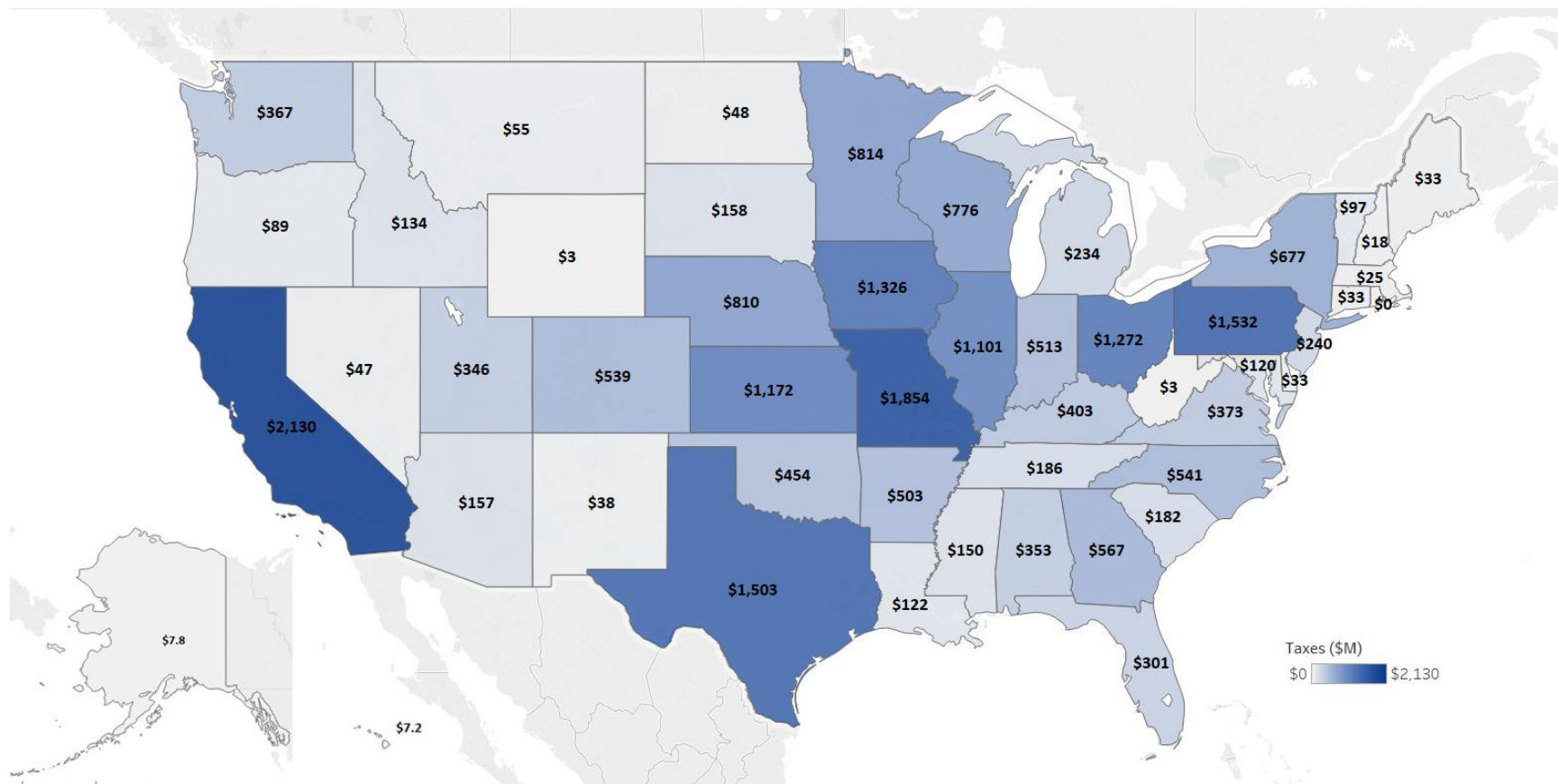


Figure 7, Animal Feed and Pet Food Industry Taxes (\$M) by State

Combined Congressional District Results

Using the same methodology used to estimate the state and national results, federal congressional district results are provided in this section. While some congressional districts are specifically mentioned throughout this section, all results can be found in Appendix B: Detailed Congressional District Results.

Congressional District Jobs

The U.S. congressional districts with the most jobs tied to animal feed and pet food manufacturing and related industries include: Kansas-4 (23,430), Iowa-4 (20,982), Iowa-2 (18,863), Minnesota-7 (17,649) and Kansas-1 (17,400). Kansas-4 is home to four pet food facilities and 29 animal feed mills.

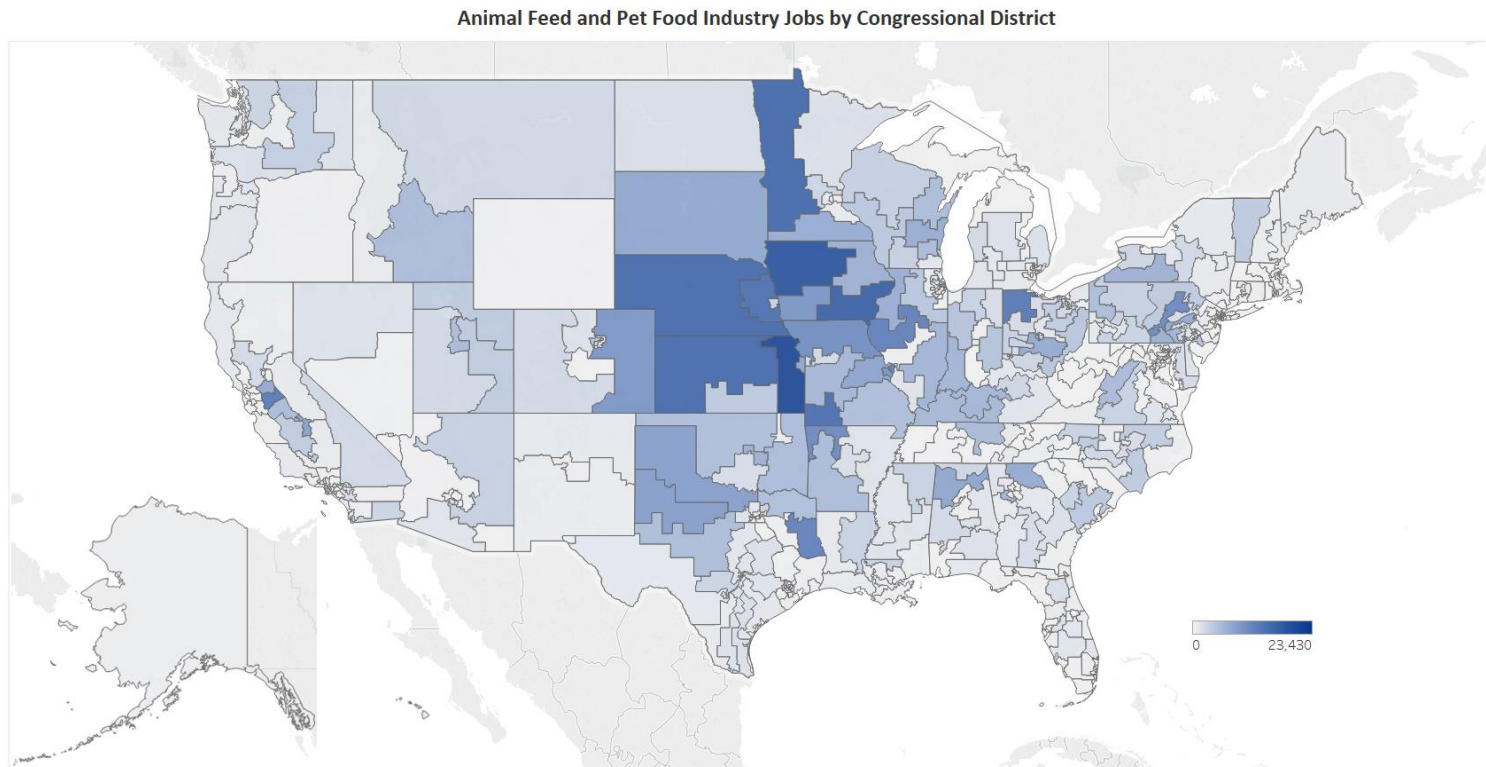


Figure 8, Animal Feed and Pet Food Industry Jobs by Congressional District

Congressional District Total Sales

The U.S. congressional districts with the most total sales tied to animal feed and pet food manufacturing and related industries include: Iowa-4 (\$7.5 billion), Kansas-2 (\$7.2 billion), Iowa-2 (\$6.4 billion), Kansas-1 (\$5.9 billion) and Nebraska-3 (\$5.7 billion). The 4th Congressional District in Iowa ranked high because it is home to seven pet food facilities and 208 animal feed mills.

Animal Feed and Pet Food Industry Total Sales (\$M) by Congressional District

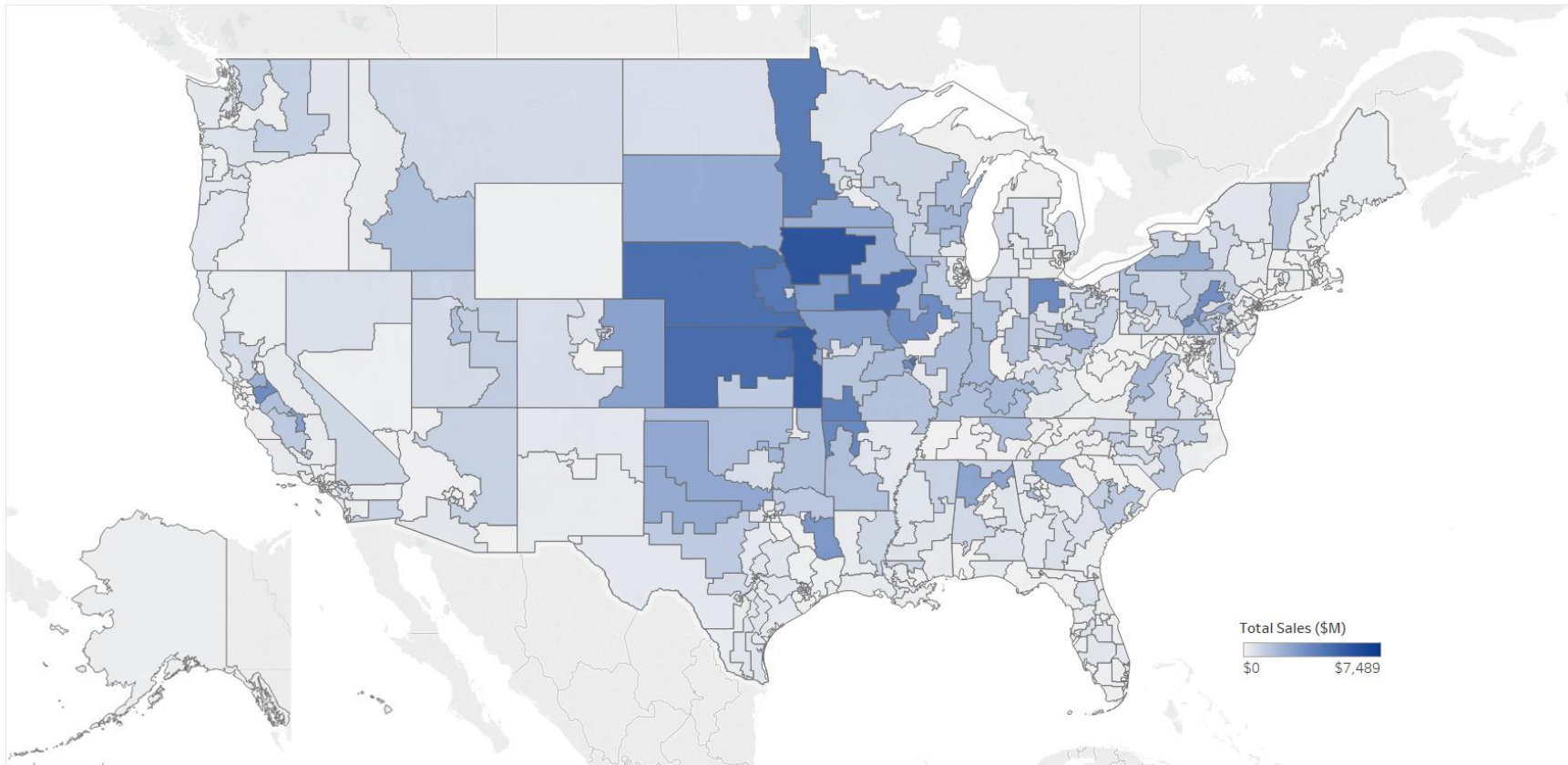


Figure 9, Animal Feed and Pet Food Industry Total Sales (\$M) by Congressional District

Congressional District Value-Added

The leading U.S. congressional districts for value-added from animal feed and pet food manufacturing and related industries include: Missouri-1 (\$2.8 billion), Iowa-4 (\$2.2 billion), Kansas-2 (\$2.2 billion), Missouri-2 (\$2.1 billion) and Iowa-2 (\$2.0 billion). While Missouri’s 1st and 2nd Congressional Districts have a much smaller number of pet food and animal feed manufacturing facilities than many other congressional districts, they generate significant economic activity.

Animal Feed and Pet Food Industry Value-Added (\$M) by Congressional District

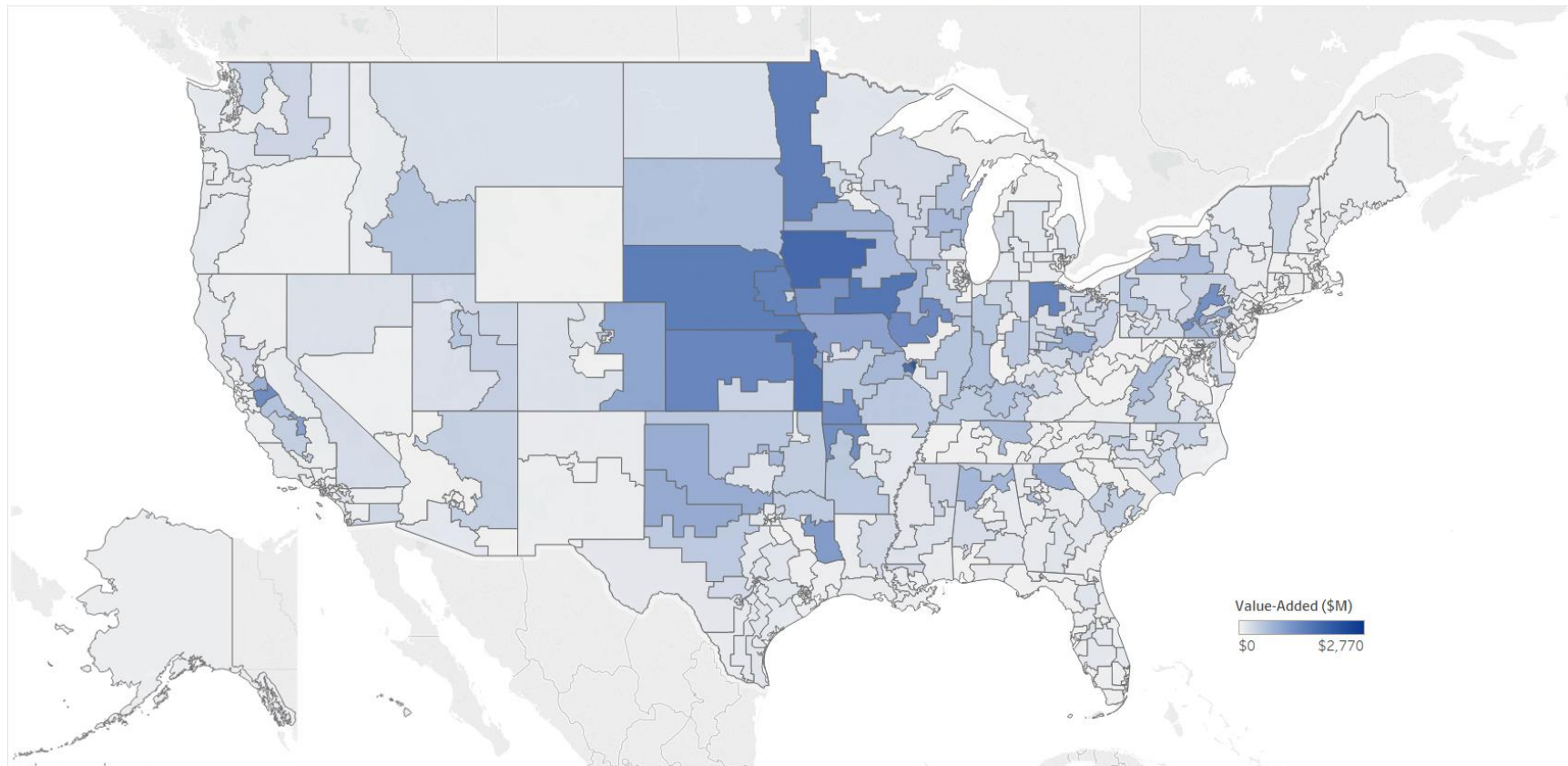


Figure 10, Animal Feed and Pet Food Industry Value-Added (\$M) by Congressional District

Congressional District Labor Income

The leading U.S. congressional districts for labor income from animal feed and pet food manufacturing and related industries include: Iowa-4 (\$1.2 billion), Missouri-1 (\$1.2 billion), Kansas-2 (\$1.2 billion), Iowa-2 (\$1.1 billion) and Minnesota-7 (\$1.1 billion). Iowa’s 4th Congressional District is weighted heavily toward animal feed mills with 208, while Kansas 2nd Congressional District has 141 animal feed mills and 15 pet food facilities.

Animal Feed and Pet Food Industry Labor Income (\$M) by Congressional District

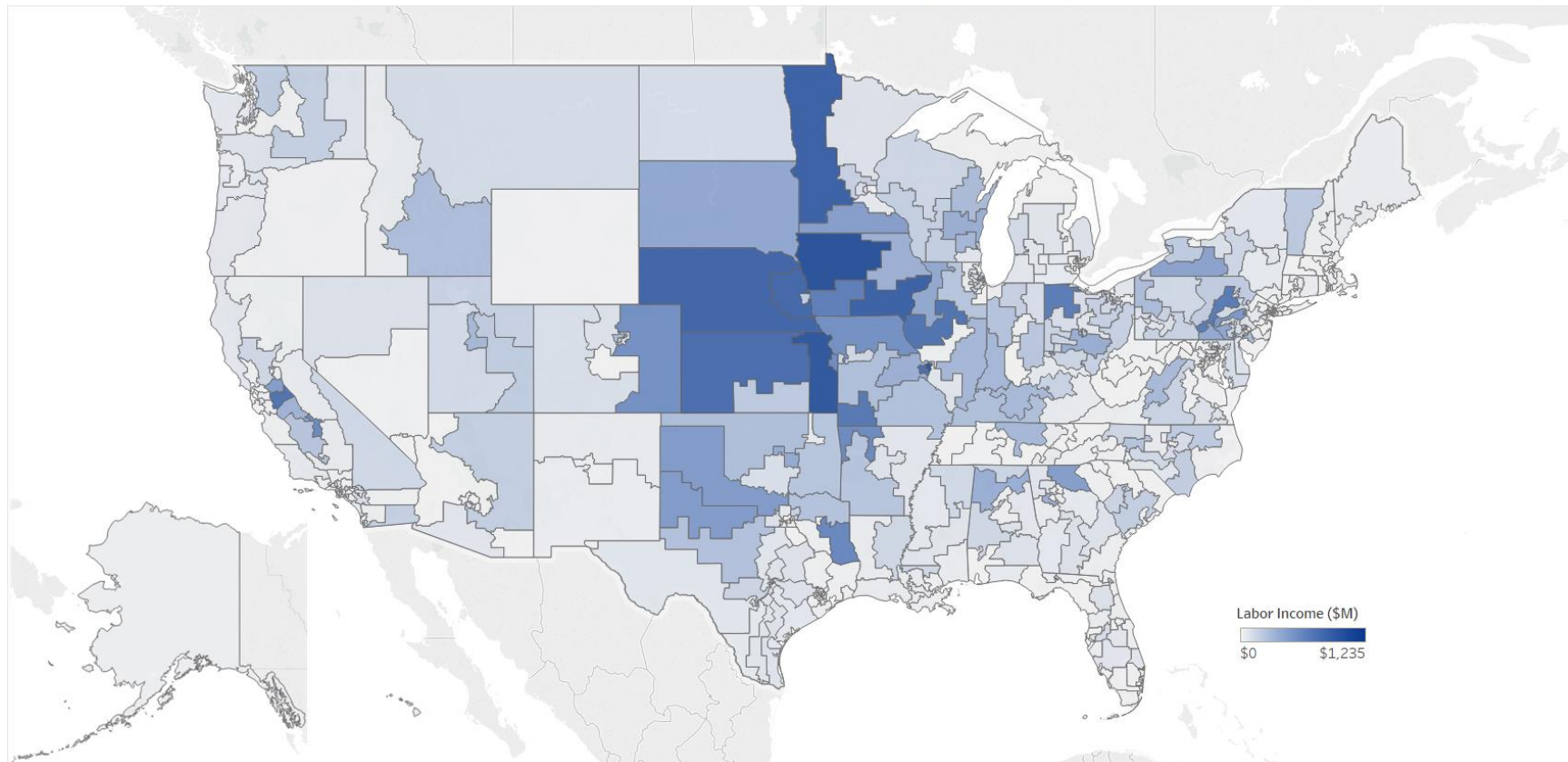


Figure 11, Animal Feed and Pet Food Industry Labor Income (\$M) by Congressional District

Congressional District Taxes

The leading U.S. congressional districts for estimated taxes paid by animal feed and pet food manufacturing and related industries include: Iowa-4 (\$478.4 million), Kansas-2 (\$460.9 million), Missouri-1 (\$456.9 million), California-10 (\$445.9 million), and Minnesota-7 (\$417.8 million).

Animal Feed and Pet Food Industry Taxes (\$M) by Congressional District

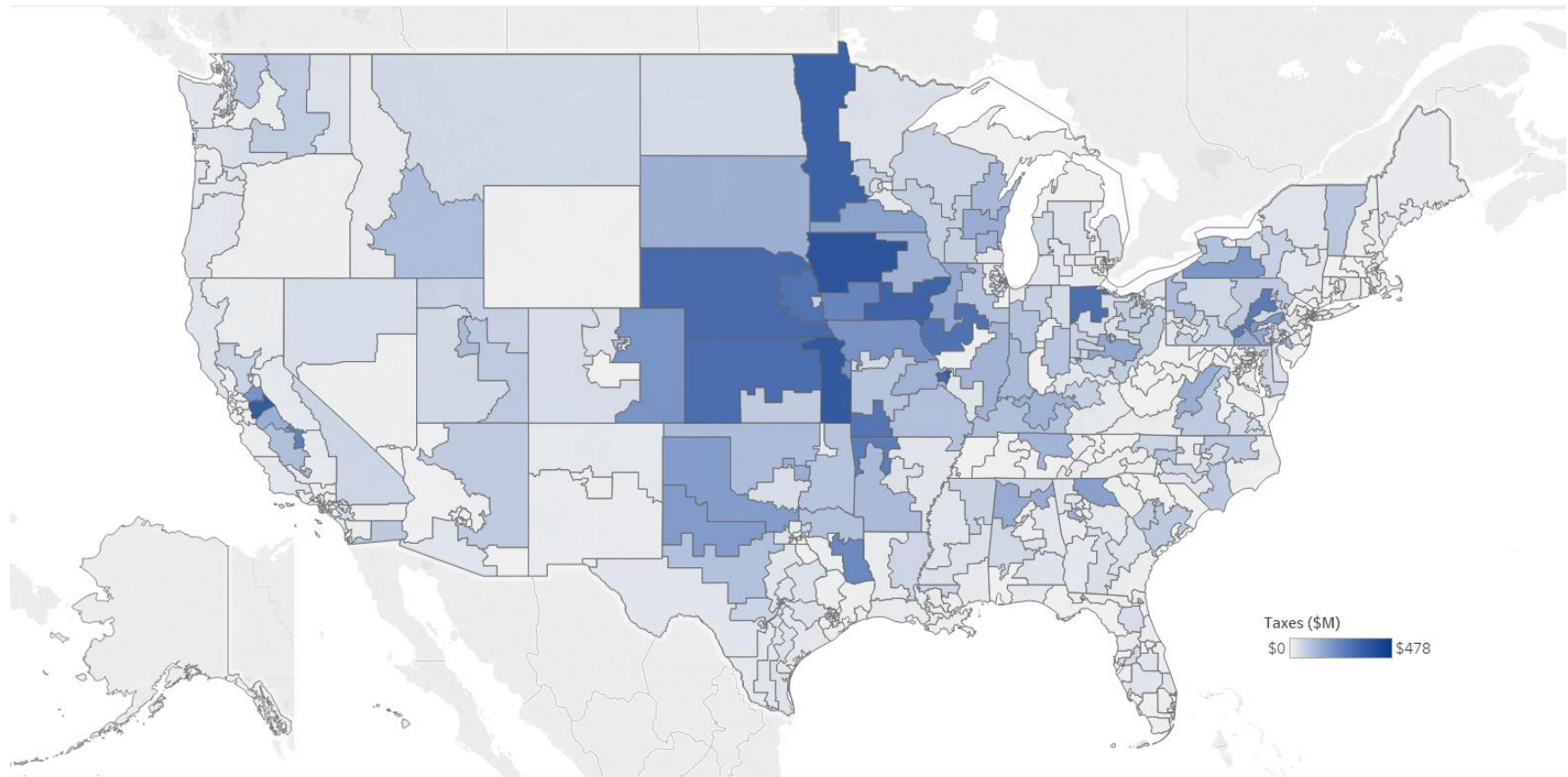


Figure 12, Animal Feed and Pet Food Industry Taxes (\$M) by Congressional District

Animal Feed National and State Results

In 2016, the U.S. animal feed manufacturing industry contributed the following to the national economy:

- **545,810 jobs**
- **\$170.4 billion** in total sales, which includes
 - **\$57.7 billion** in value-added, including **\$32.6 billion** in labor income
- **\$13.1 billion** in local, state and national taxes

Five states that consistently ranked at the top of all reported economic measures for the animal feed manufacturing industry include: California, Texas, Illinois, Iowa and Ohio. These states are all home to many feed mills generating economic activity in their state, ranging from 149 feed mills in California to 679 in Texas. The animal feed manufacturers in these top states contribute the following total to the economy:

- **201,275 jobs**
 - **\$61.8 billion** in total sales, which includes **\$22.3 billion** in value-added and **\$12.5 billion** in labor income
 - **\$5.1 billion** in taxes at the local, state and national levels
-

Jobs

Across the country, the animal feed manufacturing industry contributed 545,810 jobs within and related to this industry in the United States in 2016. The leading states in this category include: California, Texas, Iowa, Ohio and Pennsylvania. Texas leads the way in this category with 679 feed mills, helping to generate nearly 53,000 jobs in the animal feed and related industries.

Animal Feed Industry Employment

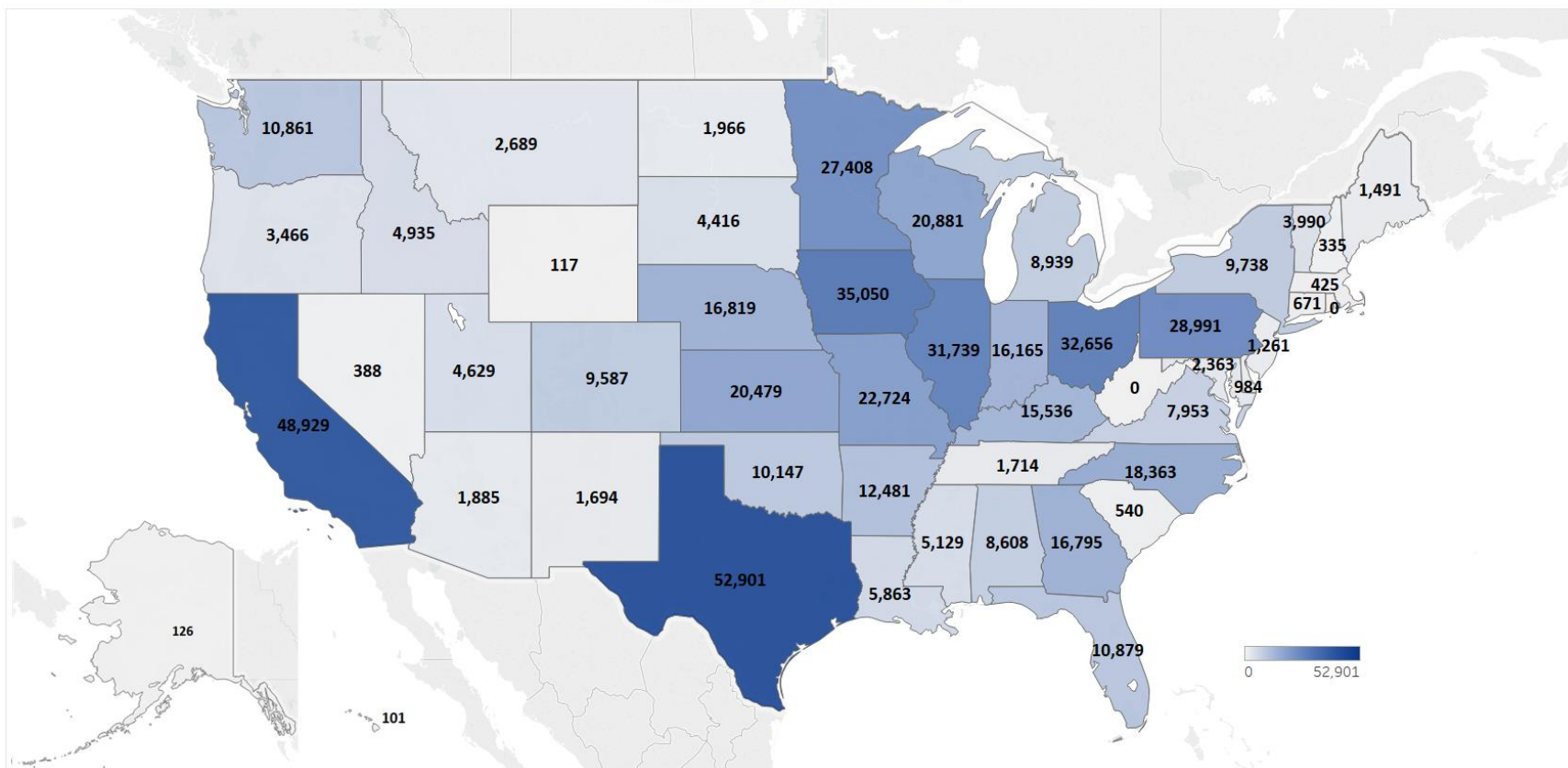


Figure 13, Animal Feed Industry Employment by State

Total Sales

The animal feed manufacturing industry contributes roughly \$170.4 billion in total sales within and related to this industry in the United States. The leading states for this category include: California, Texas, Iowa, Illinois and Ohio. California and Texas lead the way in total sales from the animal feed and related industries with \$15.7 billion and nearly \$14.8 billion, respectively.

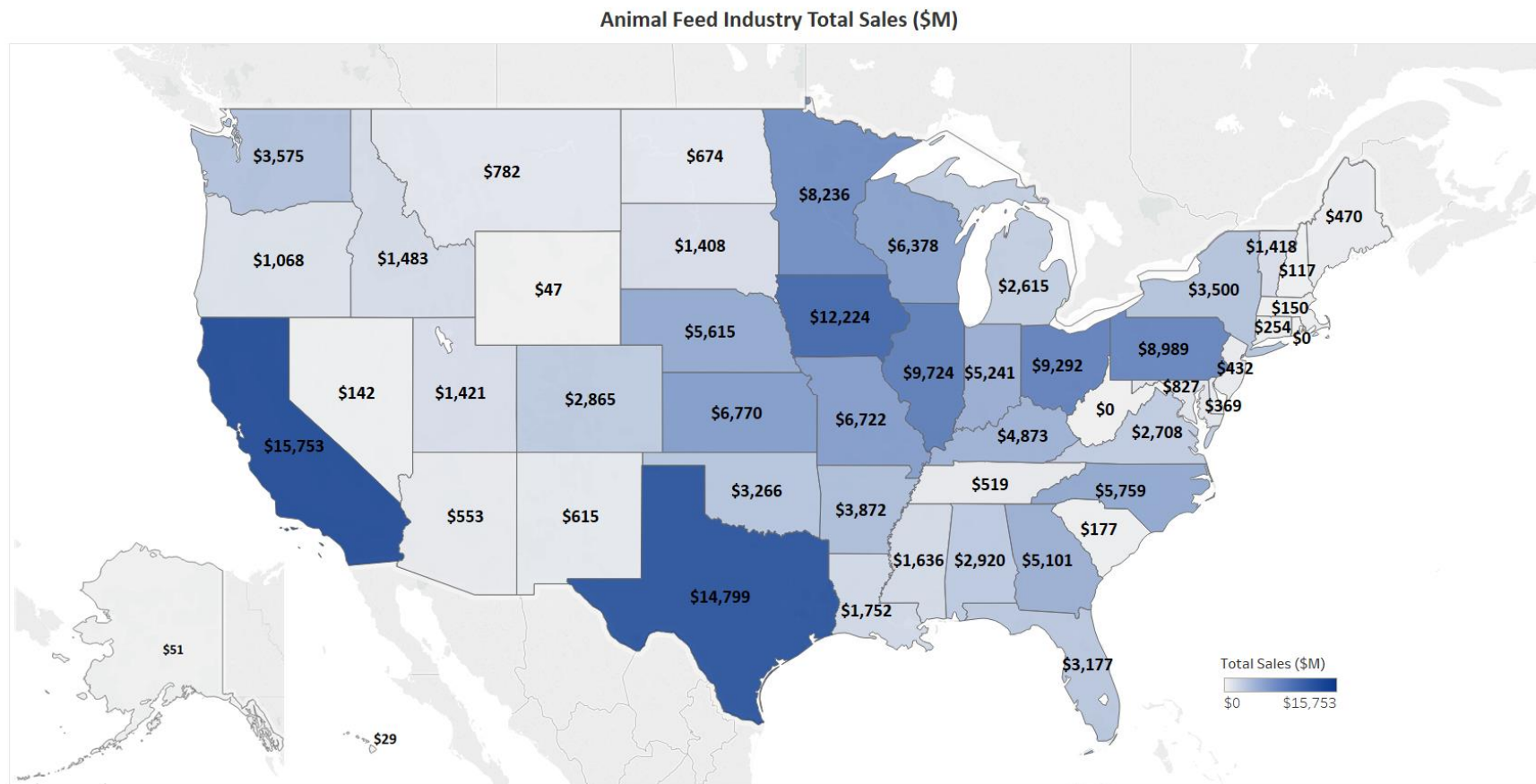


Figure 14, Animal Feed Industry Total Sales (\$M) by State

Value-Added

The animal feed manufacturing industry contributes \$57.7 billion in value-added within and related to this industry in the United States. The leading states in this category include: California, Texas, Iowa, Illinois and Ohio.

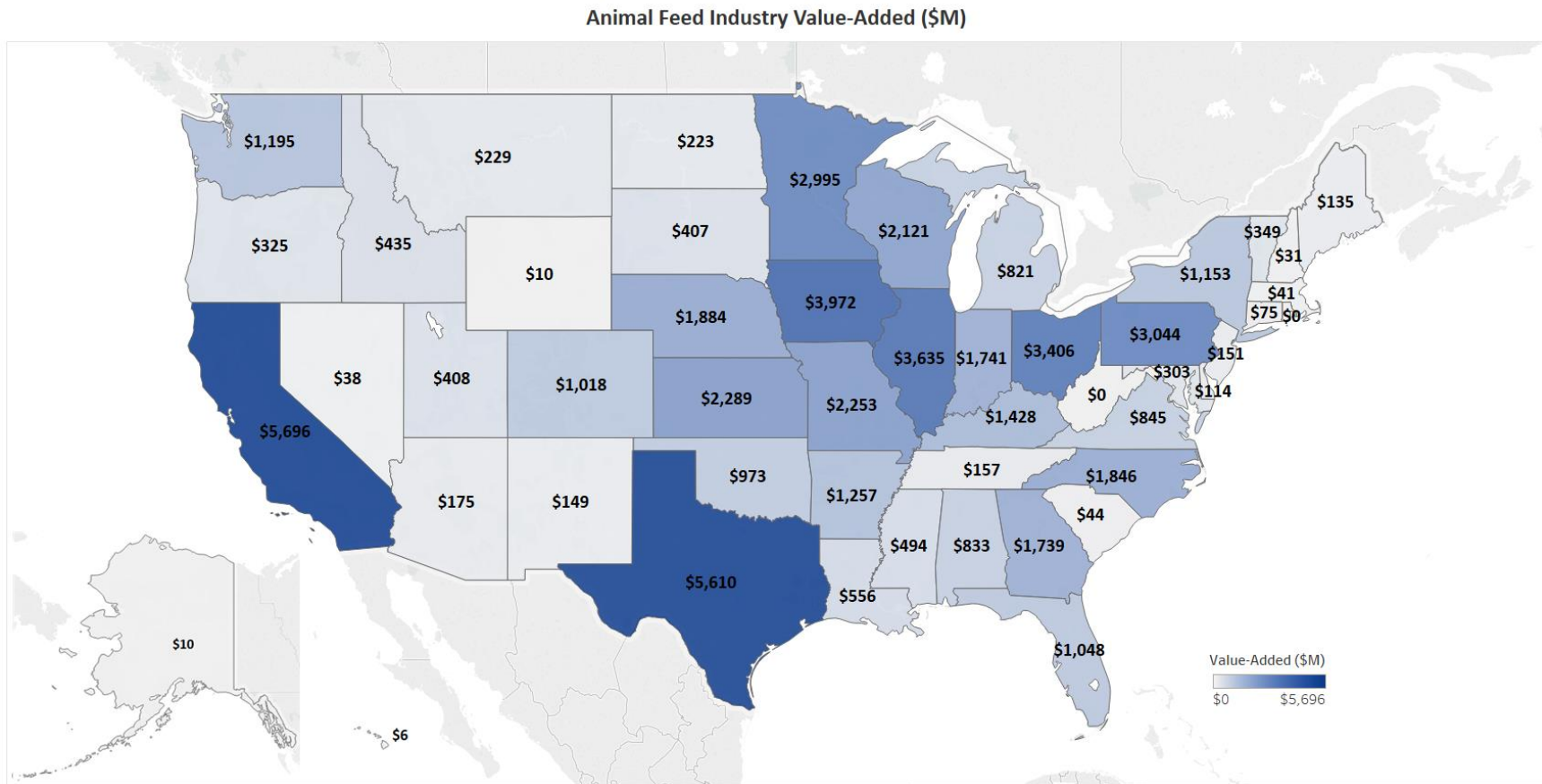


Figure 15, Animal Feed Industry Value-Added (\$M) by State

Labor Income

The animal feed industry is estimated to contribute almost \$32.6 billion in labor income within and related to the animal feed manufacturing industry. California, Texas, Iowa, Illinois, Pennsylvania and Minnesota are leading states in labor income from the animal feed manufacturing industry.

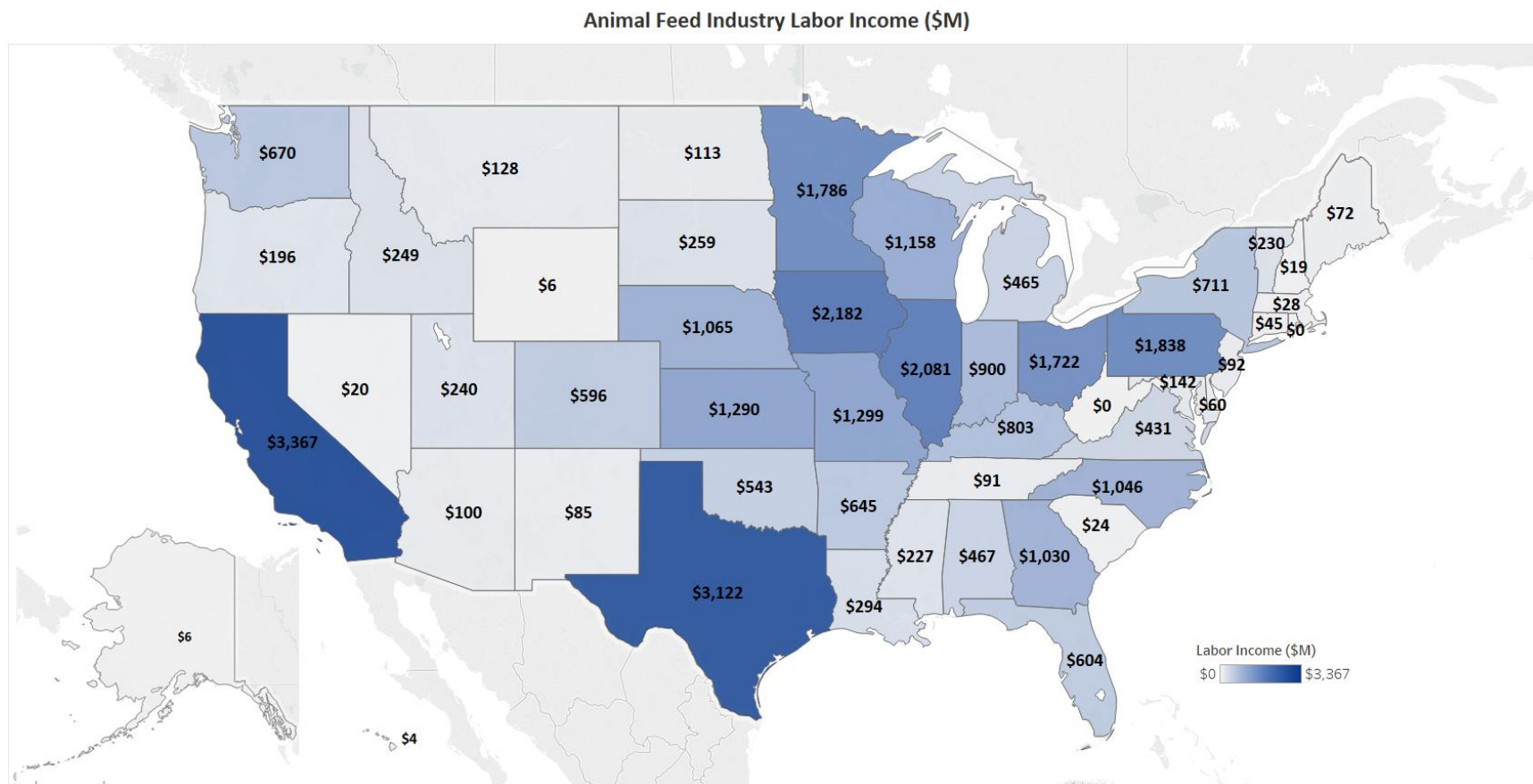


Figure 16, Animal Feed Industry Labor Income (\$M) by State

Taxes

The animal feed manufacturing industry and related economic activities are also a source of tax revenue—contributing an estimated total of \$13.1 billion at the local, state and national levels.

Animal Feed Industry Taxes (\$M) by State

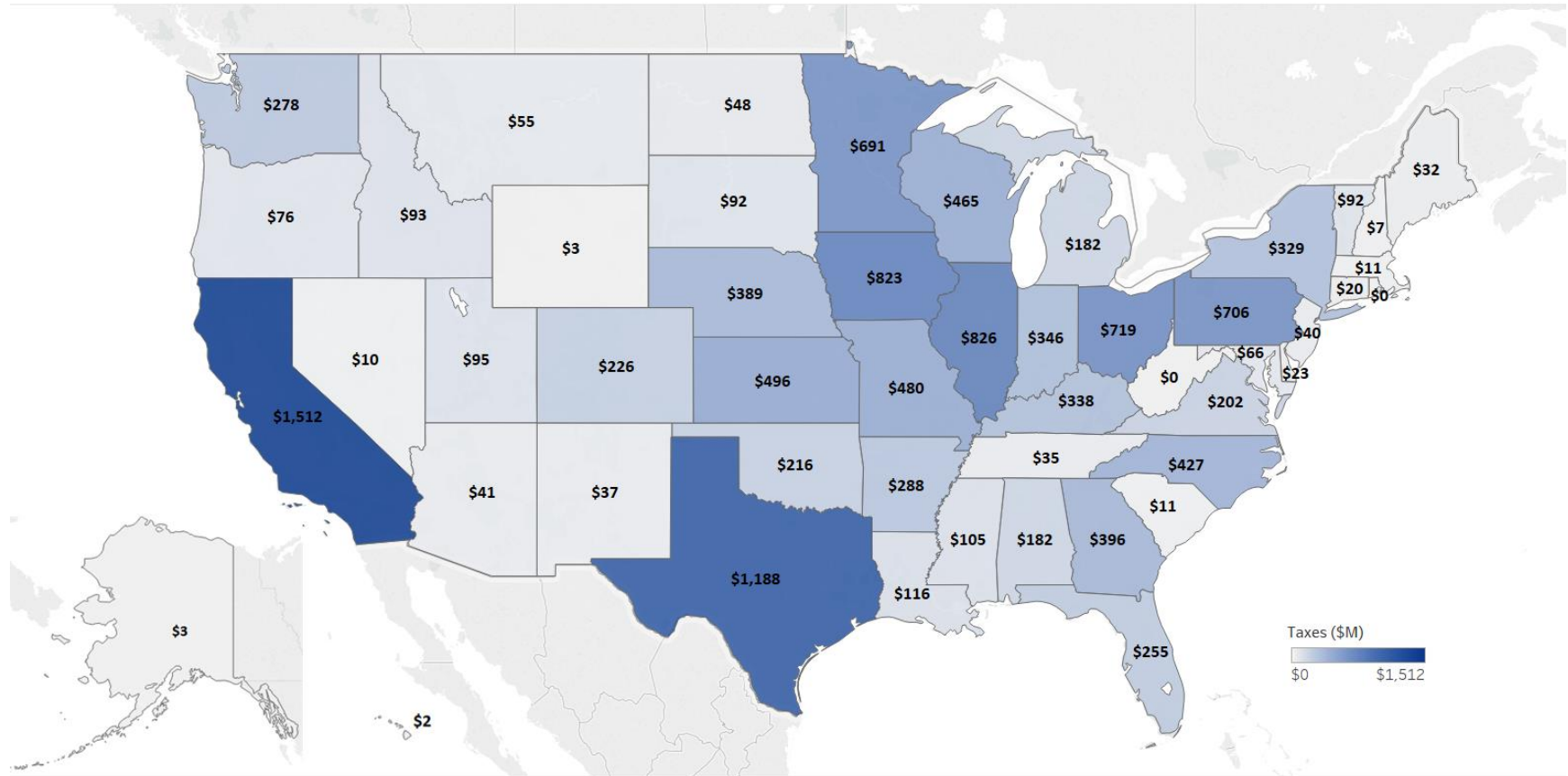


Figure 17, Animal Feed Industry Taxes (\$M) by State

Animal Feed Congressional District Results

Jobs

The U.S. congressional districts with the most jobs tied to animal feed manufacturing and related industries include: Iowa-4 (15,028), Minnesota-7 (14,850), Illinois-18 (13,248), California-10 (12,482), Texas-1 (12,311). Iowa-4 and Minnesota-7 ranked high due to the 208 and 156 feed mills in their districts, respectively.

Animal Feed Industry Jobs by Congressional District

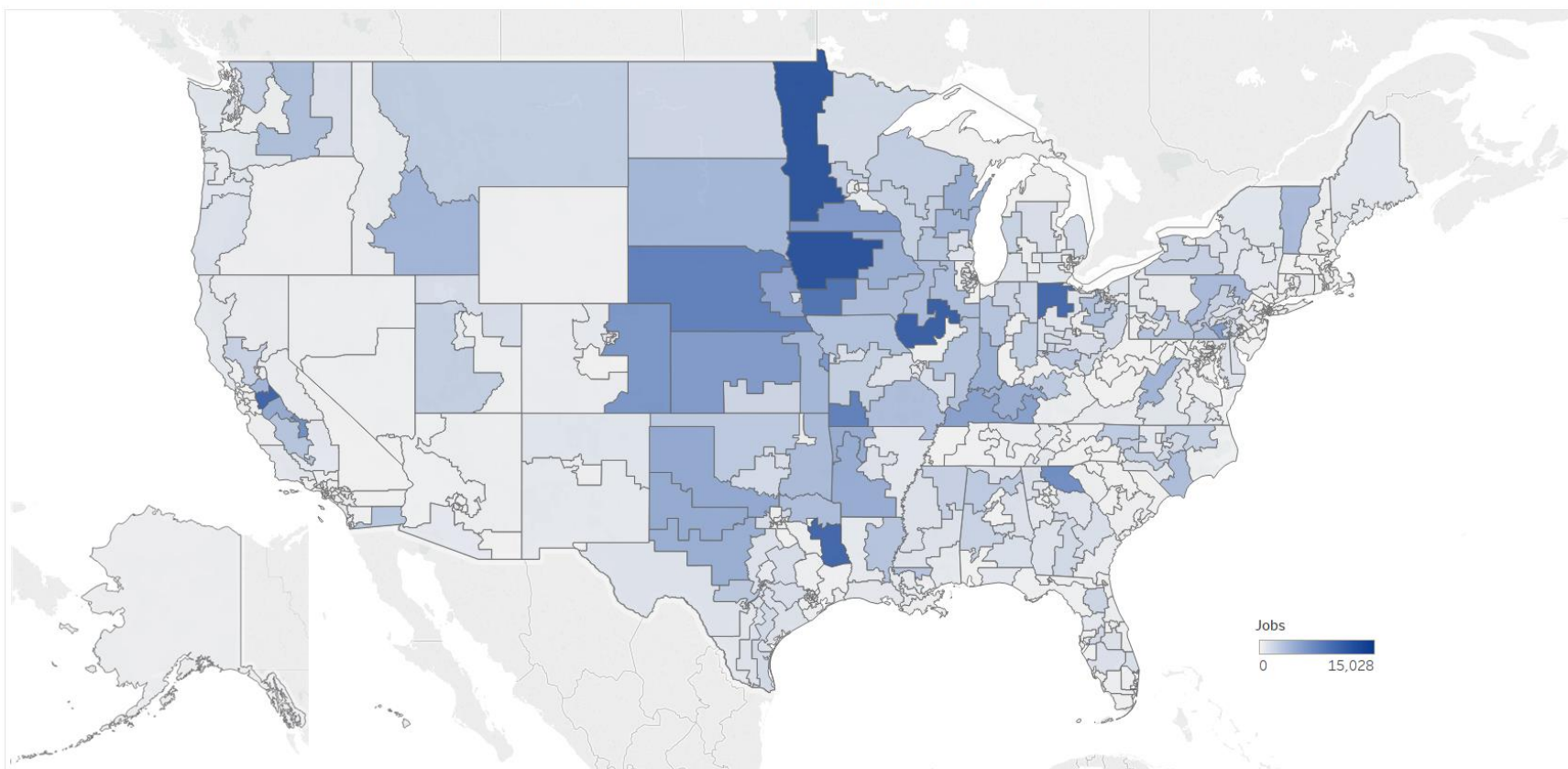


Figure 18, Animal Feed Industry Jobs by Congressional District

Total Sales

The U.S. congressional districts with the most total sales tied to animal feed manufacturing and related industries include: Iowa-4 (\$5.4 billion), Minnesota-7 (\$4.3 billion), Illinois-18 (\$4.0 billion), Iowa-3 (\$3.6 billion) and California-10 (\$3.6 billion). As mentioned, the 4th Congressional District in Iowa is home to 208 animal feed mills.

Animal Feed Industry Total Sales (\$M) by Congressional District

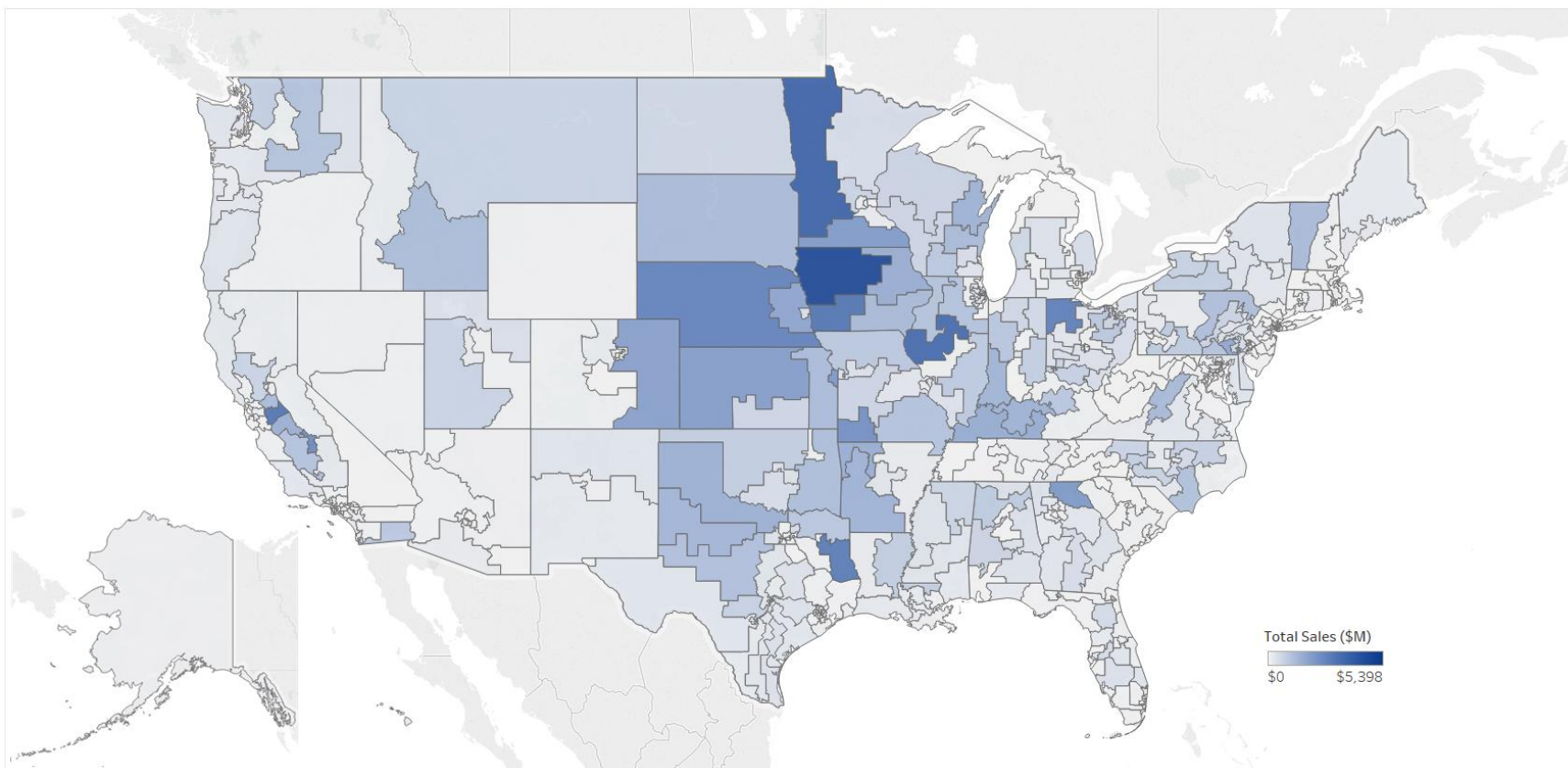


Figure 19, Animal Feed Industry Total Sales (\$M) by Congressional District

Value-Added

The leading U.S. congressional districts for value-added from animal feed manufacturing and related industries include: Iowa-4 (\$1.6 billion), Minnesota-7 (\$1.6 billion), Illinois-18 (\$1.5 billion), Iowa-3 (\$1.4 billion) and California-10 (\$1.3 billion).

Animal Feed Industry Value-Added (\$M) by Congressional District

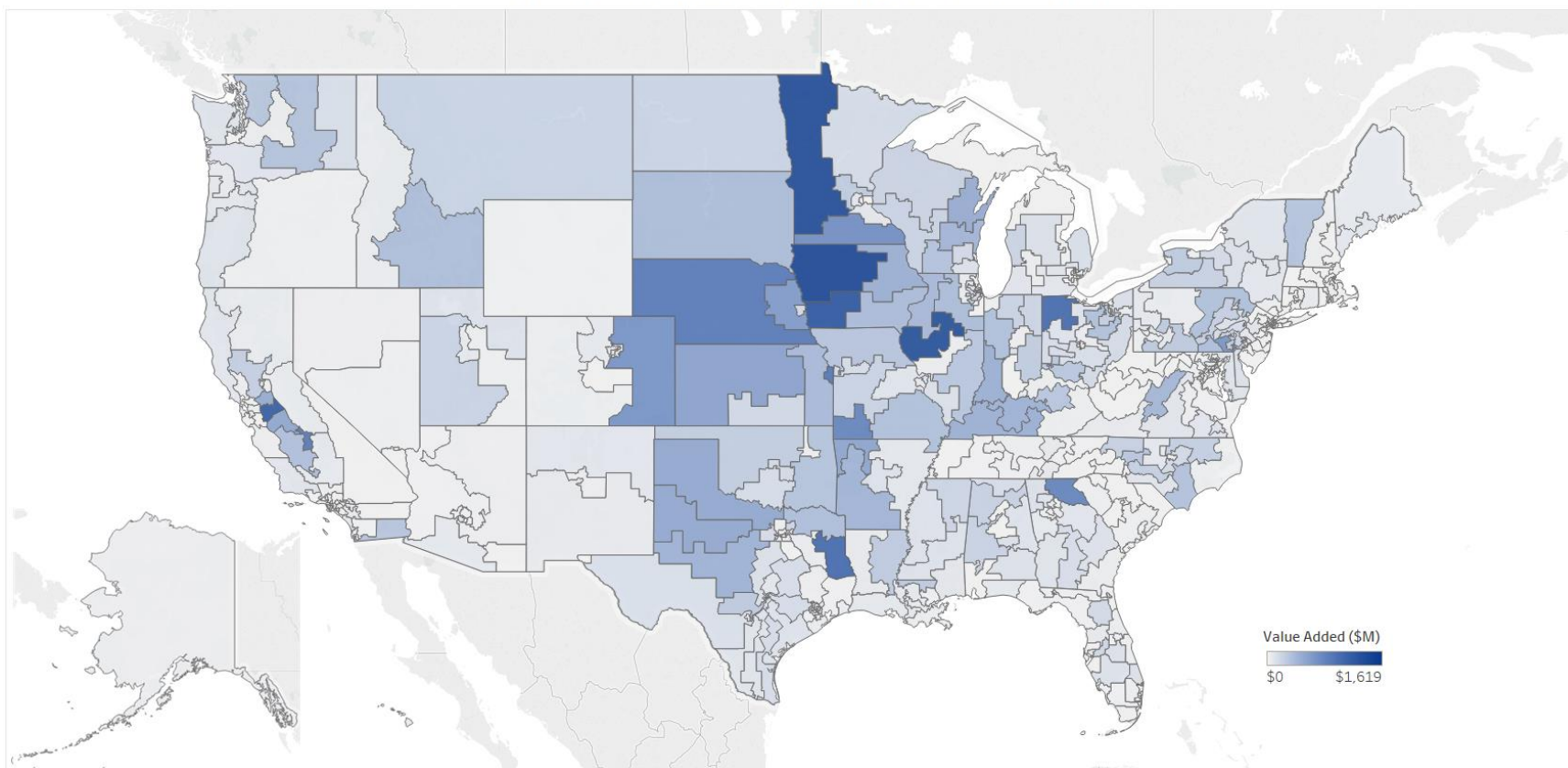


Figure 20, Animal Feed Industry Value-Added (\$M) by Congressional District

Labor Income

The leading U.S. congressional districts for labor income from animal feed manufacturing and related industries include: Minnesota-7 (\$932.8 million), Iowa-4 (\$884.5 million), Illinois-18 (\$860.0 million), Iowa-3 (\$787.8 million) and California-10 (\$765.5 million). There are 156 animal feed mills in Minnesota-7, 208 in Iowa-4, 37 in Illinois-18, 35 in Iowa-3, and 18 in California-10.

Animal Feed Industry Labor Income (\$M) by Congressional District

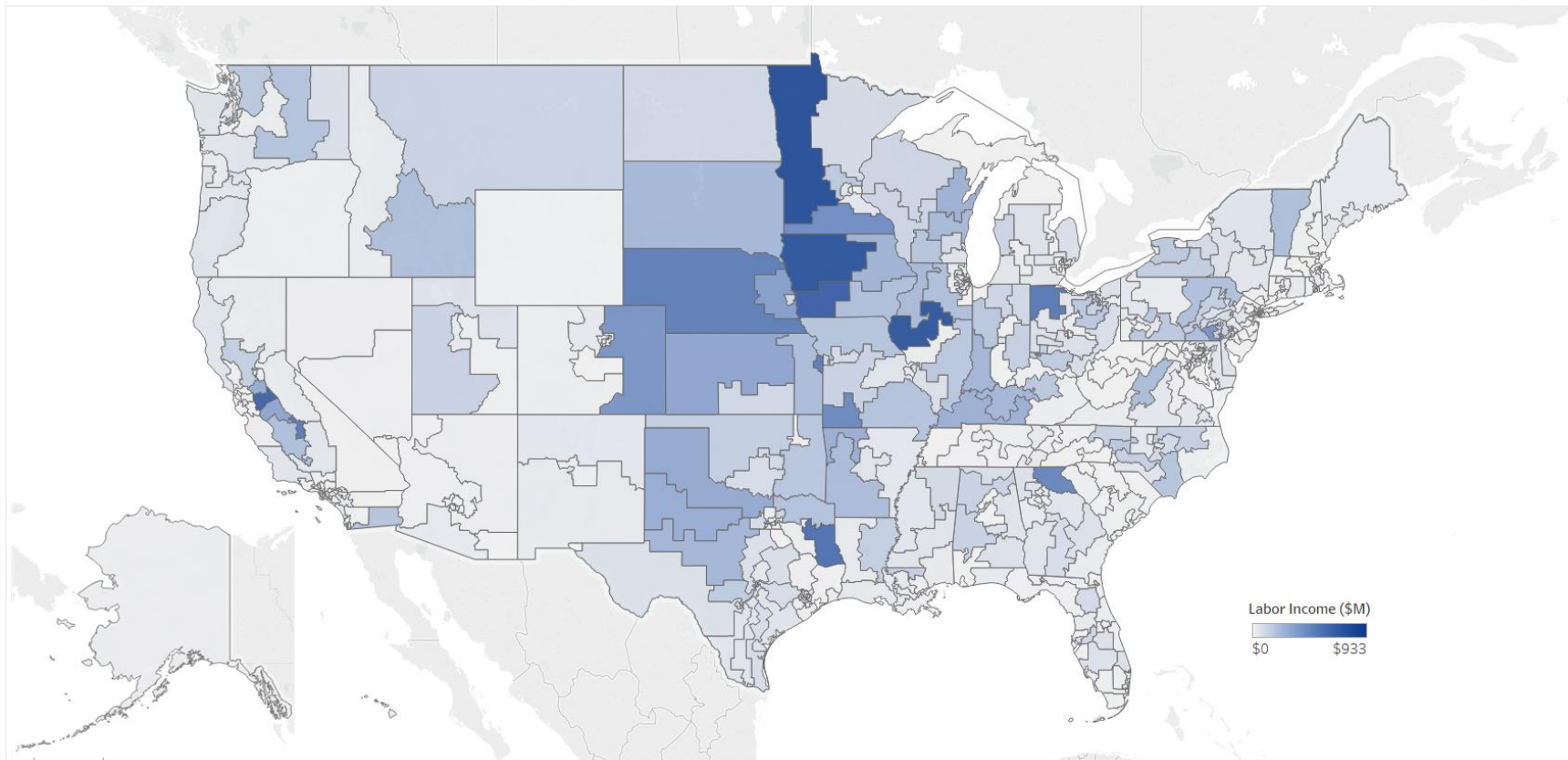


Figure 21, Animal Feed Industry Labor Income (\$M) by Congressional District

Pet Food National and State Results

In 2016, the U.S. pet food manufacturing industry contributed the following to the national economy:

- **398,416 jobs**
- **\$126.8 billion** in total sales, which includes
 - **\$44.3 billion** in value-added, including **\$23.4 billion** in labor income
- **\$9.4 billion** in local, state and national taxes

Five states that consistently rank at the top of all reported economic measures for the pet food manufacturing industry include: Missouri, Pennsylvania, Kansas, Iowa and California. The pet food manufacturers in these top states contribute the following total to the economy:

- **165,236 jobs**
 - **\$53.0 billion** in total sales, which includes **\$19.0 billion** in value-added and **\$10.2 billion** in labor income
 - **\$4.0 billion** in taxes at the local, state and national levels
-

Jobs

Across the country, the pet food manufacturing industry contributed 398,416 jobs within and related to this industry in the United States in 2016. The leading states in this category include: Missouri (53,528), Pennsylvania (33,533), Kansas (33,381), Iowa (22,995) and California (21,799). While Missouri is home to only a few pet food facilities, they generate significant economic activity in the state.

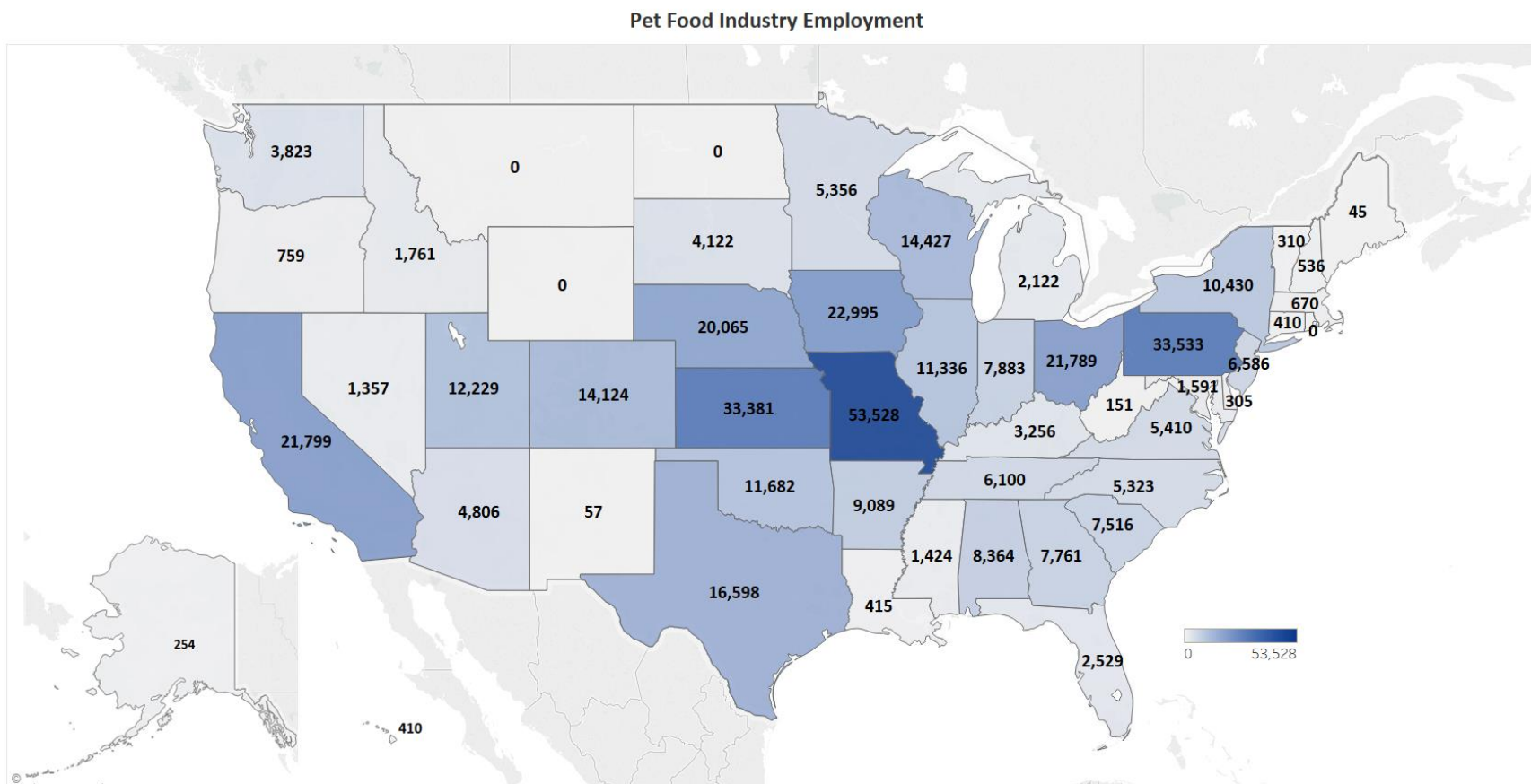


Figure 23, Pet Food Industry Employment by State

Total Sales

The pet food manufacturing industry contributes almost \$126.8 billion in total sales within and related to this industry in the United States. The leading states for this category include: Missouri, Kansas, Pennsylvania, Iowa, California and Nebraska. Pennsylvania is home to 89 pet food manufacturing facilities.

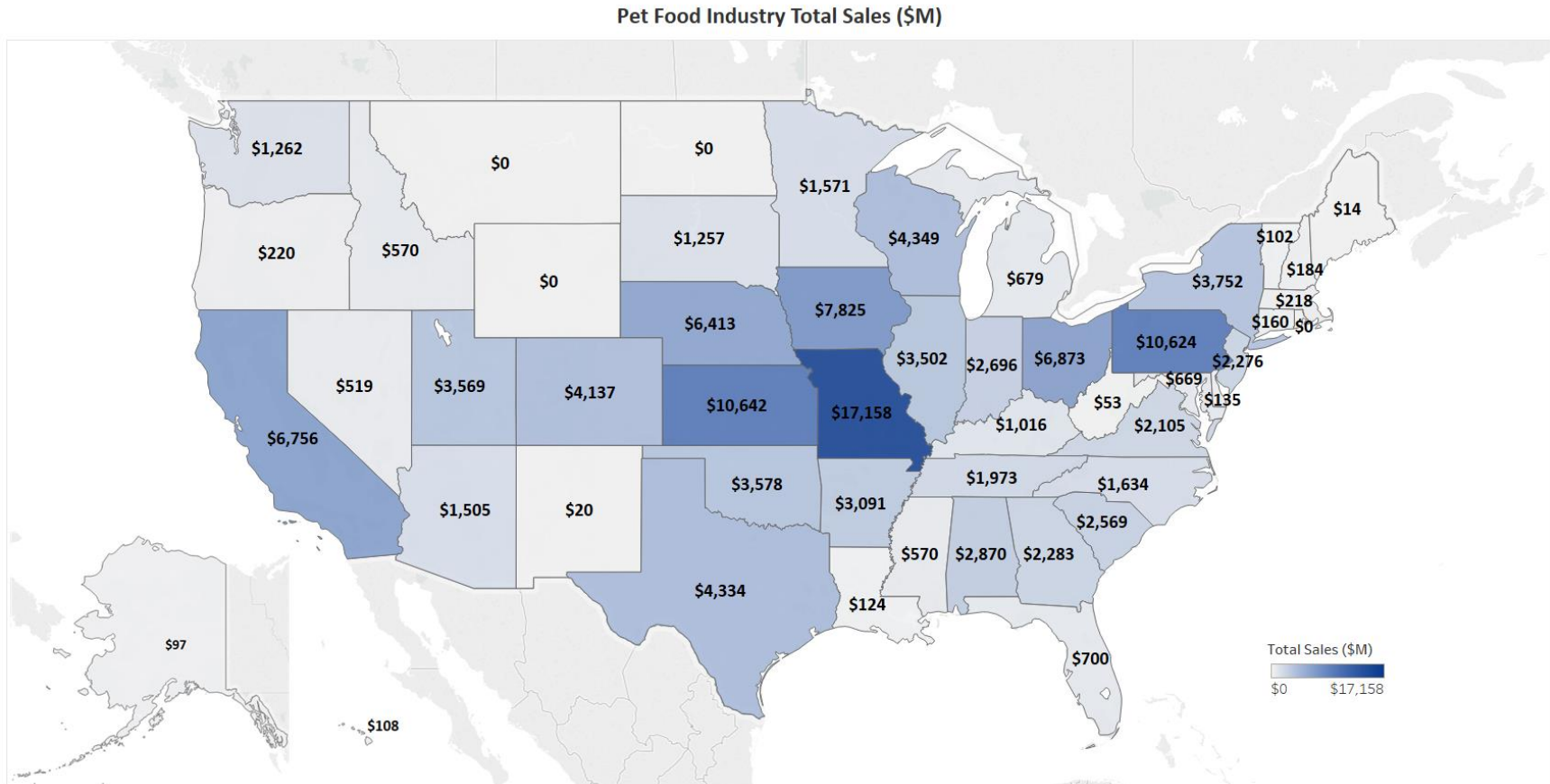


Figure 24, Pet Food Industry Total Sales (\$M) by State

Value-Added

The pet food manufacturing industry contributes \$44.3 billion in value-added within and related to this industry in the United States. Missouri stands out as a leader in this category by generating \$7.3 billion in value-added to the state’s economy.

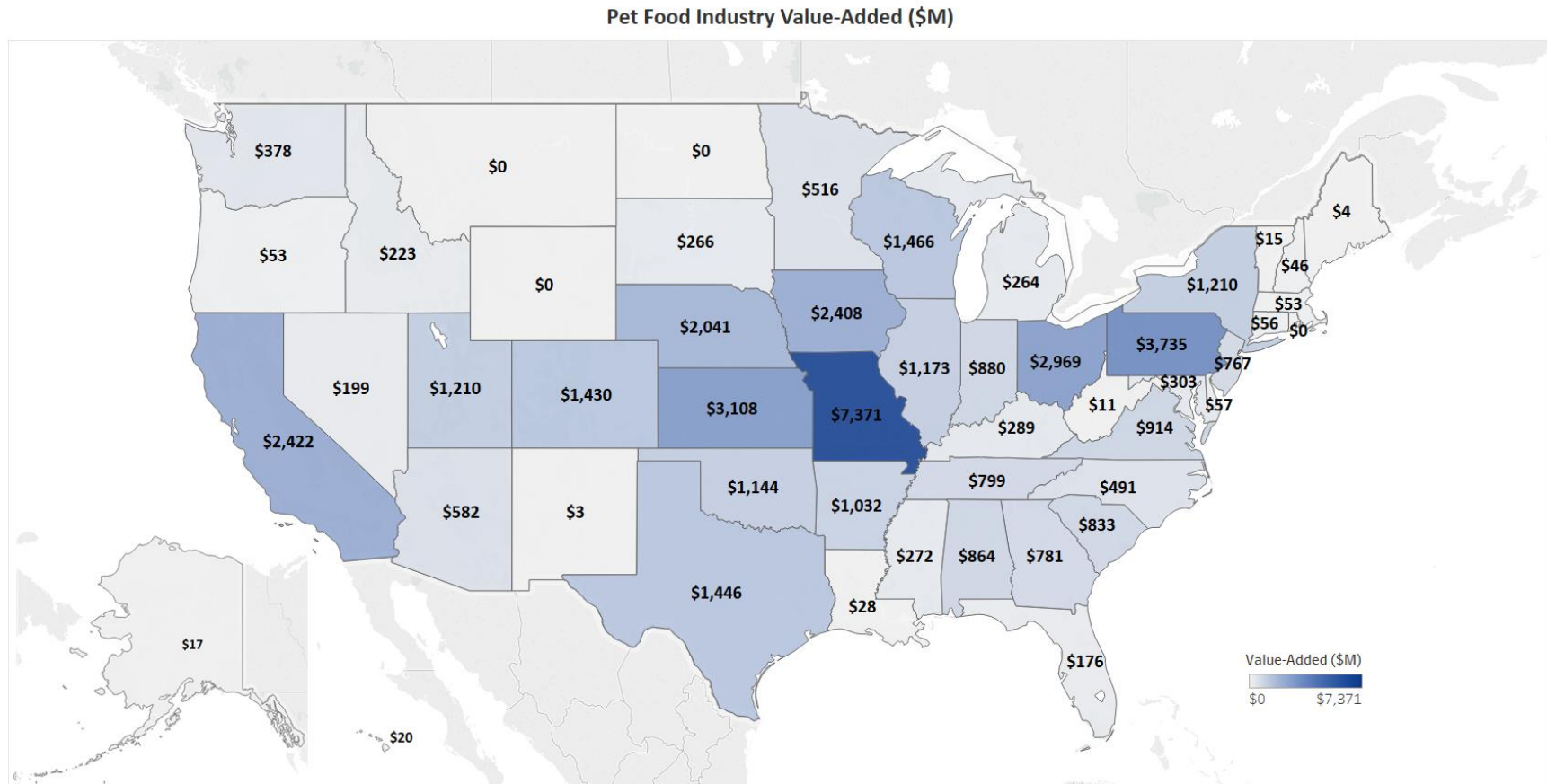


Figure 25, Pet Food Industry Value-Added (\$M) by State

Labor Income

The pet food industry is estimated to contribute almost \$23.4 billion in labor income within and related to the pet food manufacturing industry. Missouri, Pennsylvania, Kansas, California and Iowa are leading states in labor income from the pet food manufacturing industry.

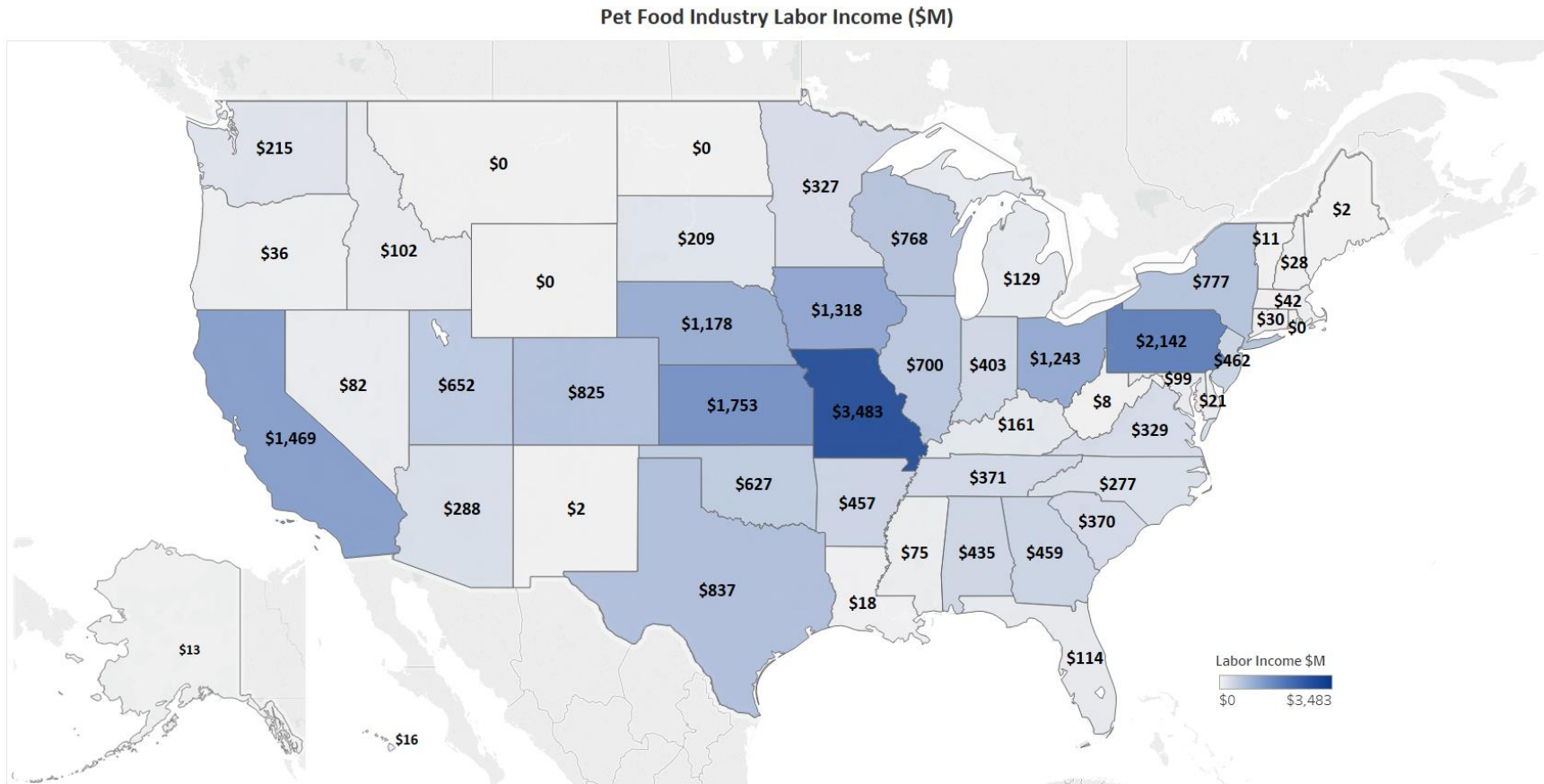


Figure 26, Pet Food Industry Labor Income (\$M) by State

Taxes

The pet food manufacturing industry and related economic activities are also a source of tax revenue—contributing an estimated total of \$9.4 billion at the local, state and national levels.

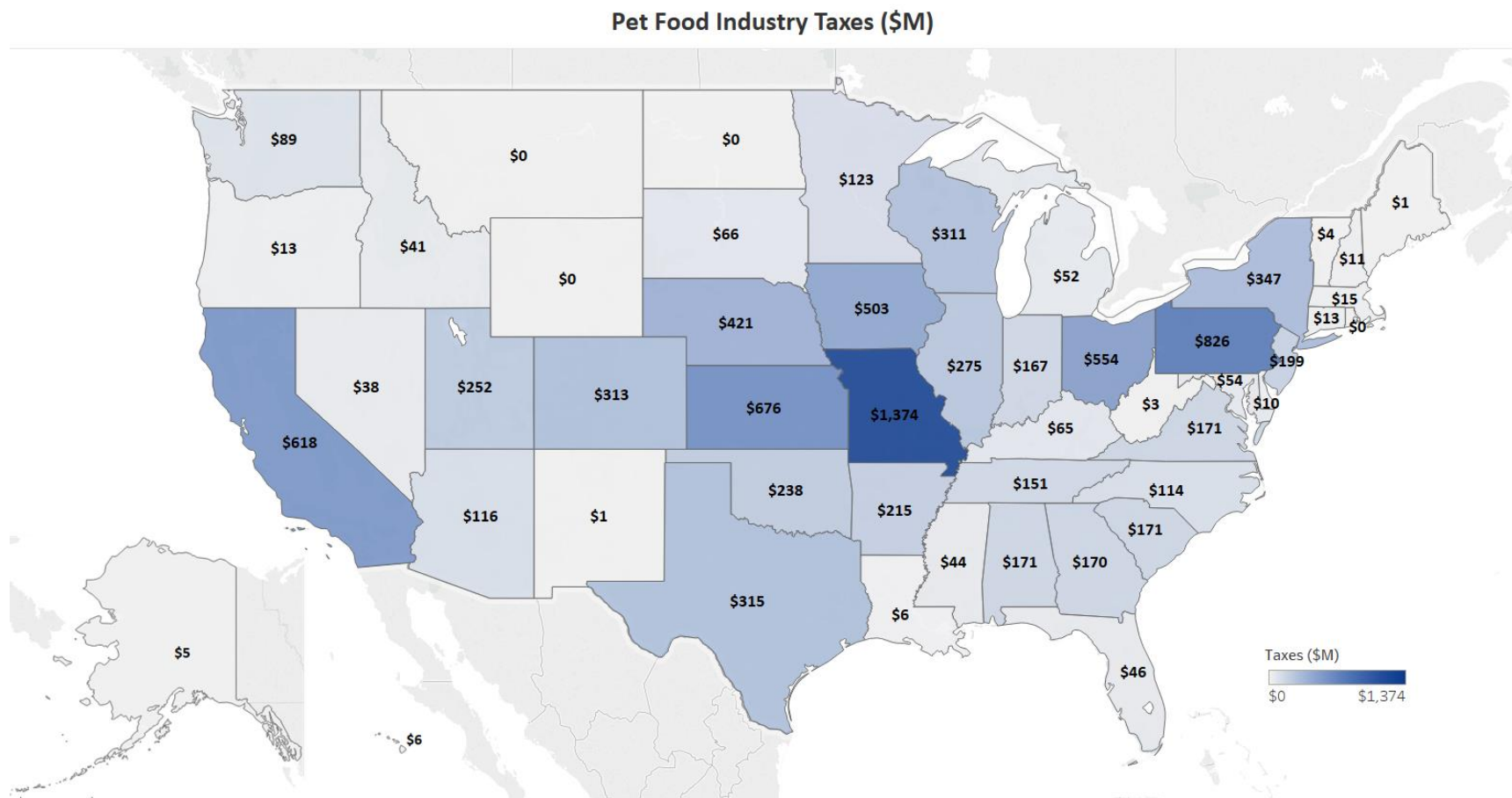


Figure 27, Pet Food Industry Taxes (\$M) by State

Pet Food Congressional District Results

Jobs

The U.S. congressional districts with the most jobs tied to pet food manufacturing and related industries include: Kansas-2 (19,014), Iowa-2 (14,772), Missouri-1 (12,623), Missouri-2 (10,587) and Kansas-1 (10,561). The 2nd Congressional District in Kansas is home to 15 pet food manufacturing facilities and supports 19,014 jobs in the pet food and related industries.

Pet Food Industry Jobs by Congressional District

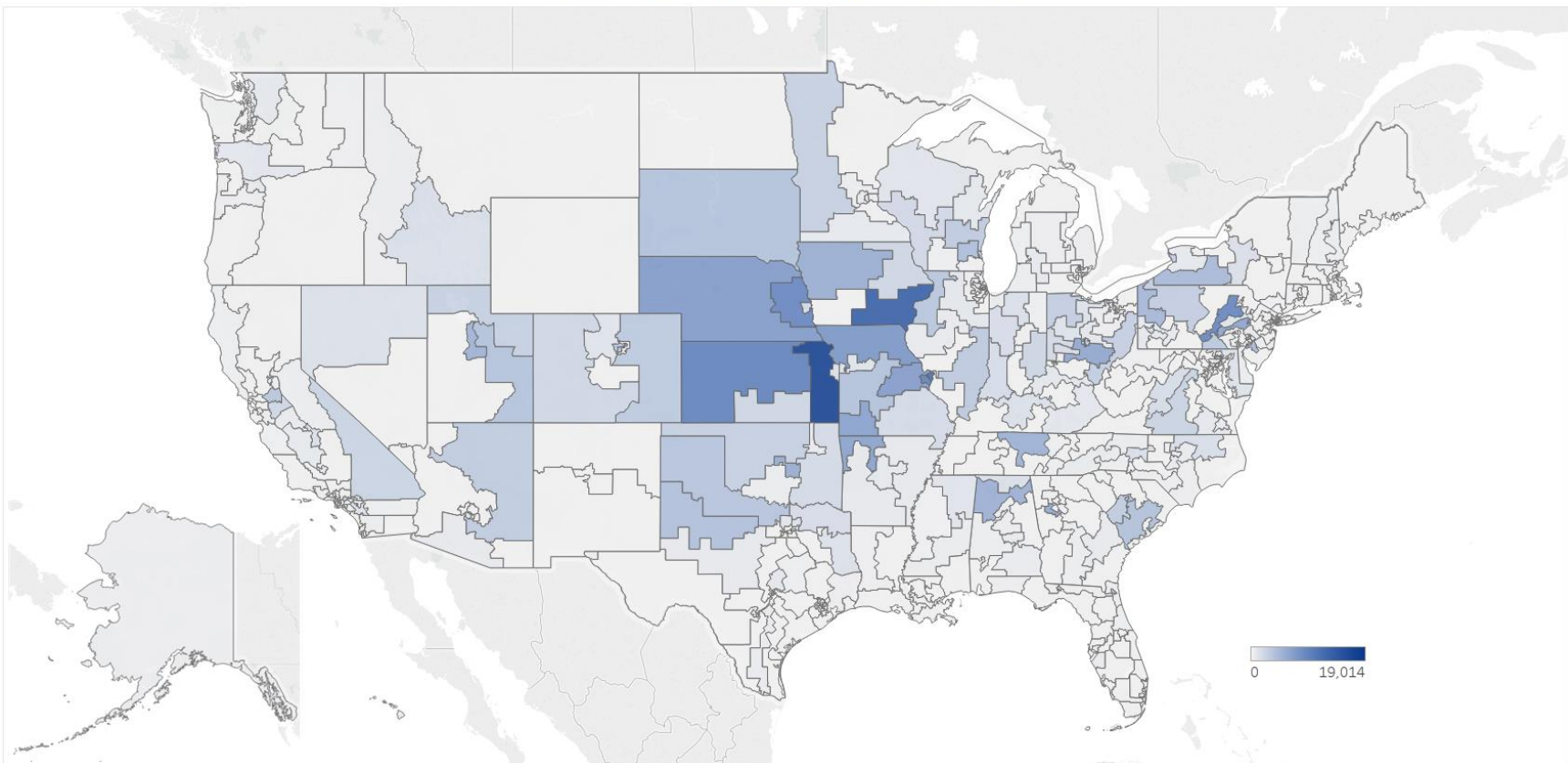


Figure 28, Pet Food Industry Jobs by Congressional District

Total Sales

The U.S. congressional districts with the most total sales tied to the pet food manufacturing and related industries include: Kansas-2 (\$5.8 billion), Missouri-1 (\$5.3 billion), Iowa-2 (\$5.0 billion), Missouri-2 (\$4.0 billion) and Kansas-1 (\$3.6 billion).

Pet Food Industry Total Sales (\$M) by Congressional District

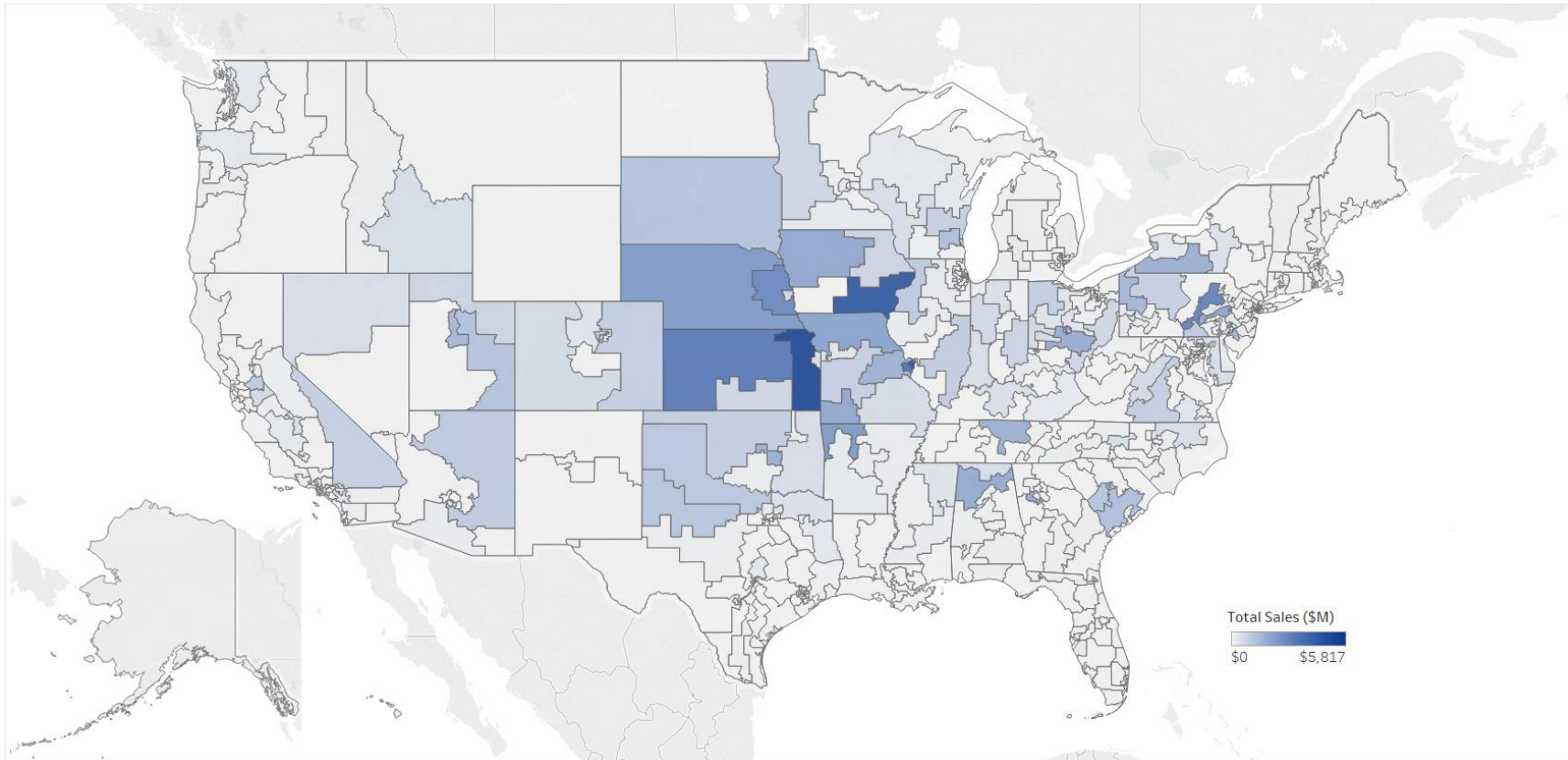


Figure 29, Pet Food Industry Total Sales (\$M) by Congressional District

Value-Added

The leading U.S. congressional districts for value-added from the pet food manufacturing and related industries include: Missouri-1 (\$2.7 billion), Missouri-2 (\$2.0 billion), Kansas-2 (\$1.7 billion), Iowa-2 (\$1.6 billion) and Pennsylvania-11 (\$1.2 billion). Even with a smaller number of pet food manufacturing facilities, Missouri’s 1st Congressional District is estimated to generate \$2.7 billion in value-added from the pet food manufacturing and related industries.

Pet Food Industry Value-Added (\$M) by Congressional District

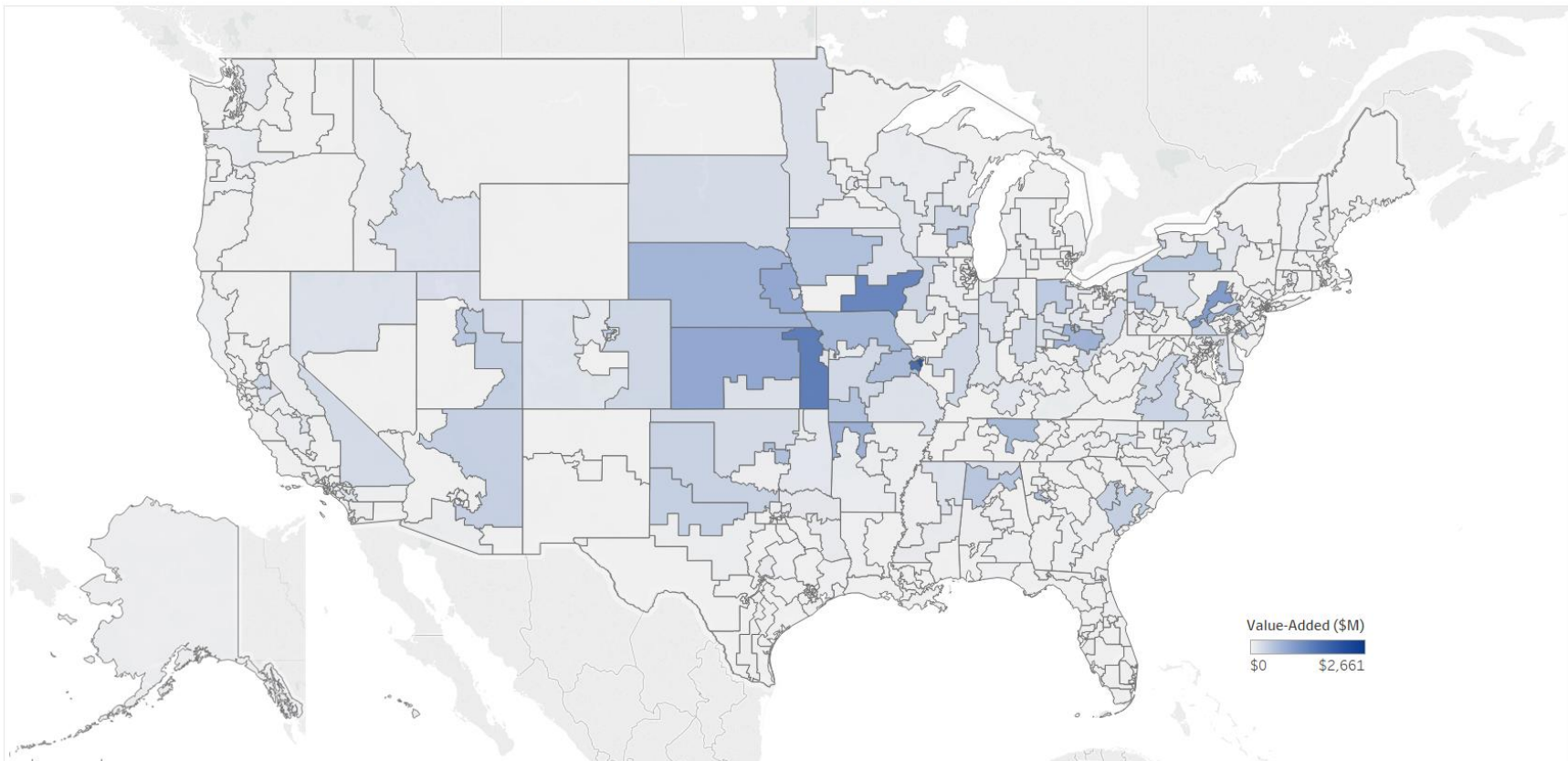


Figure 30, Pet Food Industry Value-Added (\$M) by Congressional District

Labor Income

The leading U.S. congressional districts for labor income from the pet food manufacturing and related industries include: Missouri-1 (\$1.2 billion), Kansas-2 (\$946.1 million), Missouri-2 (\$895.5 million), Iowa-2 (\$845.0 million) and Pennsylvania-11 (\$669.5 million).

Pet Food Industry Labor Income (\$M) by Congressional District

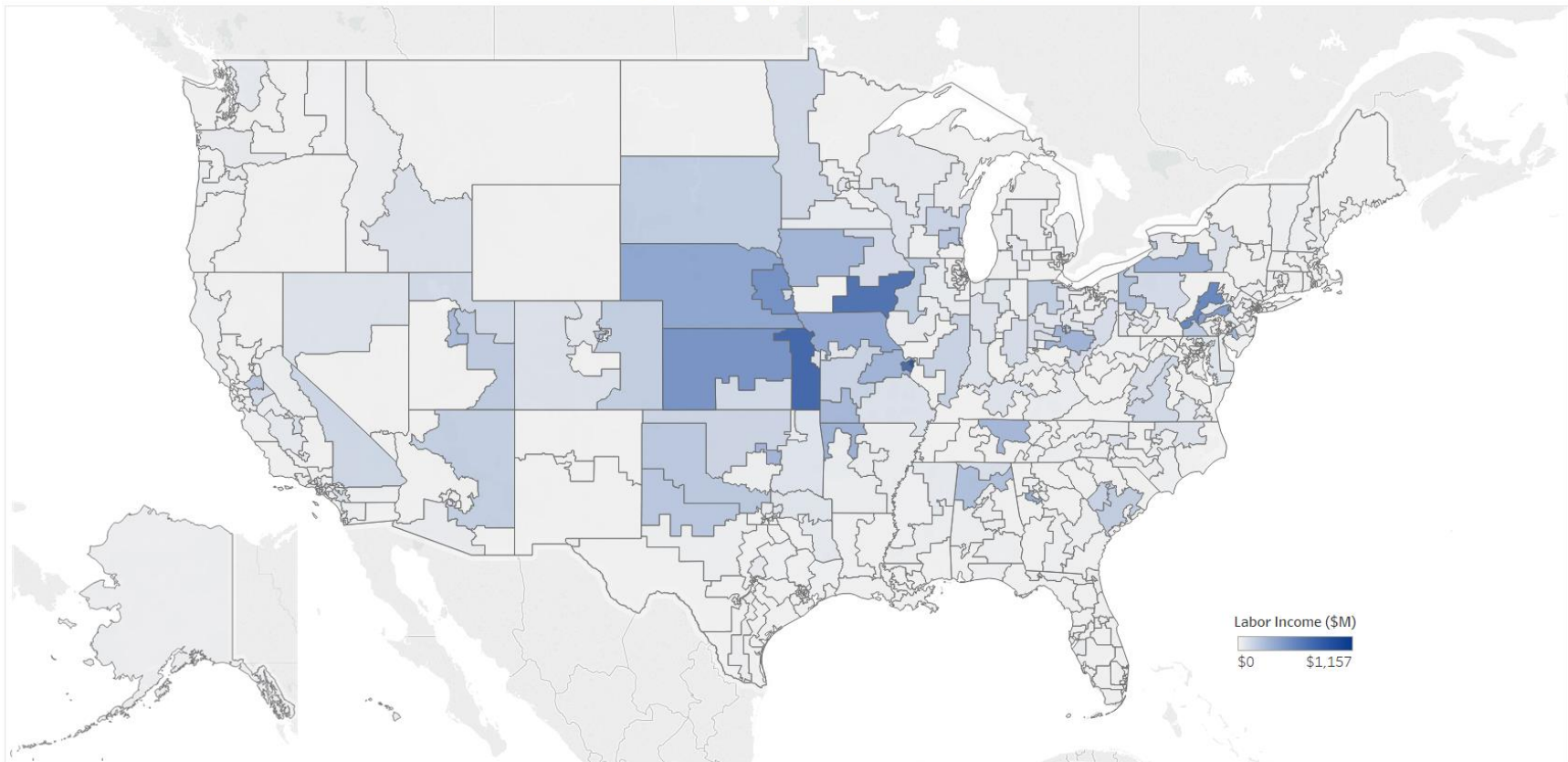


Figure 31, Pet Food Industry Labor Income (\$M) by Congressional District

Taxes

The leading U.S. congressional districts for estimated taxes paid by the pet food manufacturing and related industries include: Missouri-1 (\$437.0 million), Missouri-2 (\$379.9 million), Kansas-2 (\$367.6 million), Iowa-2 (\$323.7 million), and Pennsylvania-11 (\$262.2 million).

Pet Food Industry Taxes (\$M) by Congressional District

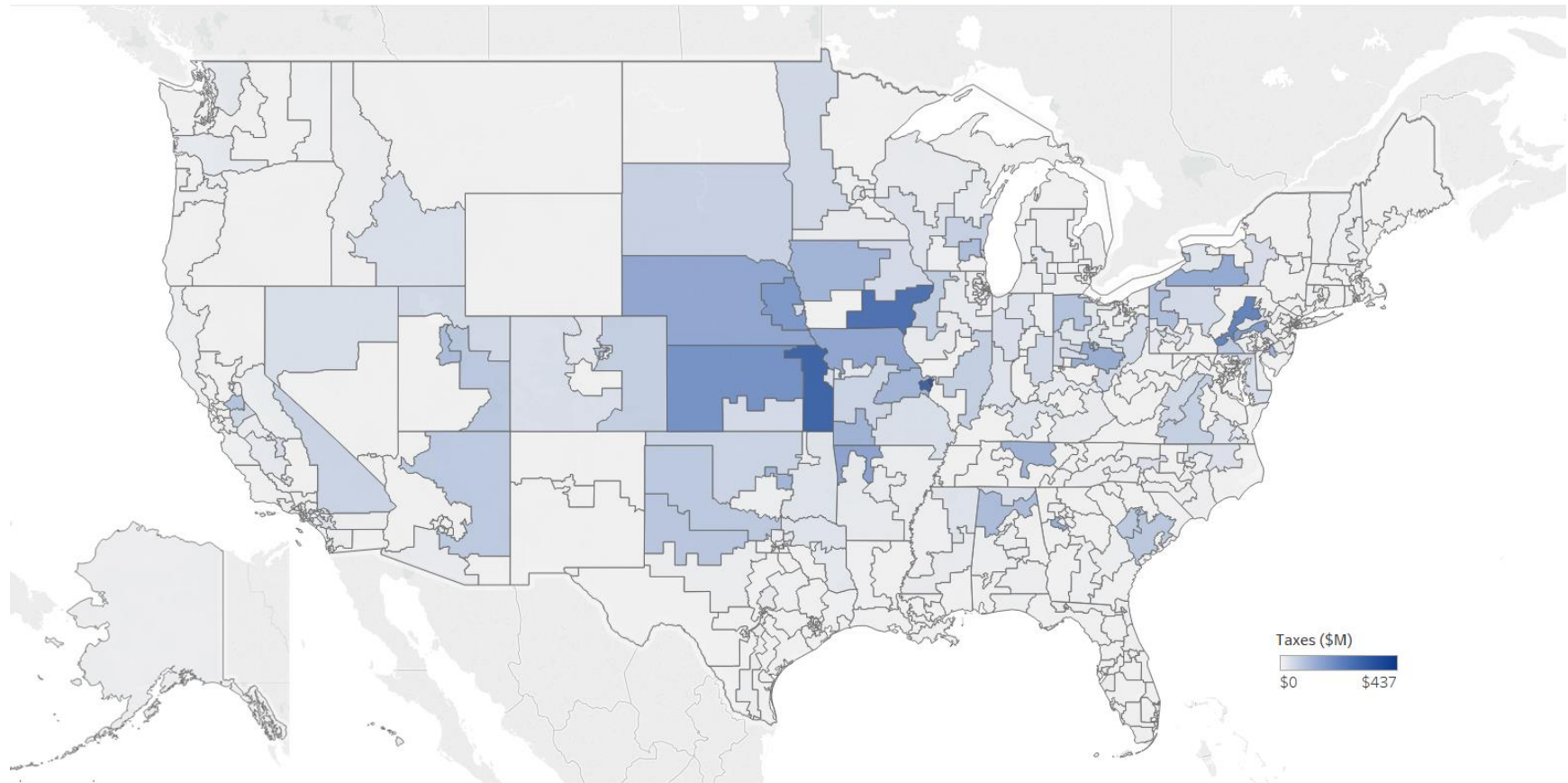


Figure 32, Pet Food Industry Taxes (\$M) by Congressional District



Research Implications

As with any industry, conditions under which they operate can change. Changes, depending on their nature, can have positive or negative implications for the prospects of the industry going forward. While there are several industry developments upstream, in, and downstream from the production of animal feed and pet food, we mention a few that are most relevant below.

Animal Producing Regions

As we saw during the prolonged drought of 2010-2013 across much of the southern plains states, shifts in animal agriculture production do occur. The recent drought in particular had a large impact on cattle-producing regions. Much of the traditional cattle production in Texas, Oklahoma and Kansas shifted north and slightly east to Nebraska and Iowa during the height of the drought. Most of this shift came about primarily due to a better assurance of long-term access to water and high-quality feedstuffs. In addition, it is easier to move animal production than feed mills.

More recently, the case of the avian influenza outbreak in 2015 across the Midwest caused a dip in feed demand. As animal populations were affected, the demand for feed became temporarily reduced. Poultry flocks did not completely recover until 2016.

In both cases, the animal feed production industry saw negative economic impacts from lower feed demand. In light of the cost of addressing recent animal disease outbreaks, plans for addressing the recurrence of these events or other similar natural events should be refined in light of their effects.

Changing Consumer Preferences

Consumer preferences with regard to food production continue to evolve. Because the majority of the animal feed and pet food production industry is reliant upon animals and animal products that are used for human consumption, a shift in how and what animals are fed will cause upstream changes in how their food is provided. Furthermore, as pets are increasingly treated as family and their diets continue to move toward a more “human” diet, this key component of demand for feed and pet food production will be impacted. Examples of changes in the nature and composition of human and pet food with implications for the feed/food production industry include at least the following: demands for traceability and identity-preserved (i.e., identifying and/or isolating specific characteristics, such as organic products, throughout the supply chain) ingredients, a shift toward more organic foods, and changes in feed ingredients designed to improve the quality of meat and livestock products.

Policy Changes That May Impact the Industry's Future Outlook

Immigration

Legal uncertainty associated with immigration and labor issues presents major implications to animal agriculture in the United States. Many segments in the U.S. food system depend on a foreign-born labor force. To reduce labor risk, multiple sectors of the food system, from animal agriculture to restaurants, need the assurance of a straightforward, consistently-applied guest worker program that provides at least temporary legal status to their workforce.

Veterinary Feed Directive

On Jan. 1, 2017, stricter federal rules went into effect regulating how medically important antibiotics—medications that are important for treating human disease—can be administered to animals in their feed and drinking water. Among the provisions, the FDA required veterinary oversight whenever such antibiotics are administered to any food animal species via feed or water, even if the animals are not intended for food production. From pet rabbits and pigs to backyard poultry to large livestock farms, the same restrictions apply¹⁰. The Veterinary Feed Directive increases the cost of regulatory compliance in the form of higher employment costs.

Food Safety Modernization Act

The Food Safety Modernization Act (FSMA) became federal law in early 2011. FSMA, which amended the Federal Food, Drug, and Cosmetic Act (FDC Act), greatly expanded the authority of the Food and Drug Administration (FDA) to help ensure the safety of human and animal food. Food safety has been, and continues to be, a top priority of the animal food industry.

In enacting FSMA, Congress left many details to be addressed by FDA through rulemaking. While writing this regulation for the animal food industry, FDA used the rules it wrote for human food as the model in an effort to streamline and speed up the rulemaking process. FDA exempted grain and packaged products but not animal food. Some deviations from the human food regulations were only granted after extensive comment by industry during the rulemaking process.

¹⁰ <https://www.avma.org/KB/Resources/Pages/VFD123.aspx>

Appendix A, Detailed State Results

*AF: Animal Food Manufacturing; PF: Pet Food Manufacturing

STATE	Total Jobs	AF: Jobs	PF: Jobs	Total Sales (\$M)	AF: Total Sales(\$M)	PF: Total Sales (\$M)	Value-Added (\$M)	AF: Value-Added (\$M)	PF: Value-Added (\$M)	Labor Income (\$M)	AF: Labor Income (\$)	PF: Labor Income (\$M)	Taxes (\$M)	AF: Taxes (\$M)	PF: Taxes (\$M)
Alabama	16,972	8,608	8,364	\$5,789.7	\$2,920.1	\$2,869.6	\$1,697.5	\$833.4	\$864.1	\$901.7	\$466.6	\$435.2	\$353.0	\$182.1	\$170.9
Alaska	380	126	254	\$148.7	\$51.4	\$97.3	\$27.6	\$10.1	\$17.5	\$18.9	\$6.0	\$13.0	\$7.8	\$2.9	\$4.9
Arizona	6,690	1,885	4,806	\$2,057.9	\$552.8	\$1,505.0	\$757.3	\$175.2	\$582.1	\$388.0	\$99.9	\$288.0	\$156.5	\$40.5	\$116.0
Arkansas	21,570	12,481	9,089	\$6,963.0	\$3,871.9	\$3,091.1	\$2,289.2	\$1,257.4	\$1,031.8	\$1,101.4	\$644.7	\$456.7	\$502.6	\$288.0	\$214.6
California	70,729	48,929	21,799	\$22,508.6	\$15,752.6	\$6,756.0	\$8,118.0	\$5,695.9	\$2,422.2	\$4,836.4	\$3,367.4	\$1,469.0	\$2,130.2	\$1,512.4	\$617.8
Colorado	23,711	9,587	14,124	\$7,002.5	\$2,865.0	\$4,137.5	\$2,448.2	\$1,018.5	\$1,429.7	\$1,421.0	\$596.0	\$825.1	\$538.7	\$225.5	\$313.2
Connecticut	1,081	671	410	\$414.2	\$253.8	\$160.4	\$131.3	\$75.4	\$55.9	\$74.9	\$44.9	\$30.0	\$32.7	\$19.6	\$13.1
Delaware	1,289	984	305	\$504.5	\$369.5	\$135.0	\$170.9	\$113.6	\$57.3	\$80.8	\$60.2	\$20.6	\$32.6	\$22.9	\$9.7
Florida	13,407	10,879	2,529	\$3,876.3	\$3,176.6	\$699.7	\$1,223.9	\$1,047.9	\$176.0	\$718.1	\$603.7	\$114.4	\$300.6	\$254.9	\$45.7
Georgia	24,556	16,795	7,761	\$7,383.5	\$5,100.6	\$2,282.9	\$2,519.6	\$1,738.7	\$781.0	\$1,488.5	\$1,029.9	\$458.6	\$566.7	\$396.3	\$170.4
Hawaii	510	101	410	\$136.2	\$28.5	\$107.7	\$26.0	\$5.9	\$20.1	\$19.2	\$3.5	\$15.6	\$7.2	\$1.6	\$5.6
Idaho	6,696	4,935	1,761	\$2,053.2	\$1,482.7	\$570.5	\$658.3	\$434.8	\$223.5	\$351.2	\$249.2	\$102.0	\$134.2	\$93.2	\$41.0
Illinois	43,074	31,739	11,336	\$13,226.0	\$9,723.8	\$3,502.2	\$4,808.1	\$3,635.4	\$1,172.7	\$2,781.3	\$2,081.2	\$700.2	\$1,100.6	\$825.5	\$275.1
Indiana	24,048	16,165	7,883	\$7,937.2	\$5,241.3	\$2,695.9	\$2,621.4	\$1,741.3	\$880.2	\$1,302.7	\$899.9	\$402.8	\$513.2	\$346.2	\$166.9
Iowa	58,046	35,050	22,995	\$20,048.3	\$12,223.5	\$7,824.7	\$6,380.5	\$3,972.4	\$2,408.0	\$3,499.7	\$2,181.8	\$1,317.8	\$1,326.2	\$823.4	\$502.8
Kansas	53,860	20,479	33,381	\$17,412.1	\$6,770.0	\$10,642.2	\$5,397.3	\$2,289.4	\$3,108.0	\$3,042.6	\$1,289.7	\$1,752.9	\$1,172.2	\$496.0	\$676.3
Kentucky	18,792	15,536	3,256	\$5,888.9	\$4,872.9	\$1,015.9	\$1,717.4	\$1,428.4	\$289.0	\$964.0	\$803.5	\$160.6	\$403.0	\$337.7	\$65.3
Louisiana	6,279	5,863	415	\$1,876.0	\$1,752.1	\$123.9	\$584.1	\$555.9	\$28.1	\$312.4	\$294.0	\$18.4	\$122.1	\$115.7	\$6.4
Maine	1,536	1,491	45	\$484.8	\$470.4	\$14.4	\$139.0	\$134.9	\$4.1	\$74.5	\$72.5	\$2.0	\$33.2	\$32.3	\$0.9
Maryland	3,954	2,363	1,591	\$1,496.0	\$827.5	\$668.5	\$605.6	\$302.6	\$303.0	\$241.4	\$142.0	\$99.4	\$119.6	\$65.8	\$53.8
Massachusetts	1,095	425	670	\$367.6	\$149.6	\$218.0	\$93.9	\$41.2	\$52.7	\$69.6	\$28.0	\$41.6	\$25.2	\$10.6	\$14.5
Michigan	11,061	8,939	2,122	\$3,294.3	\$2,615.2	\$679.1	\$1,084.9	\$821.1	\$263.9	\$594.0	\$465.0	\$128.9	\$234.1	\$182.1	\$52.0
Minnesota	32,764	27,408	5,356	\$9,807.9	\$8,236.4	\$1,571.4	\$3,510.4	\$2,994.8	\$515.5	\$2,112.9	\$1,786.0	\$326.9	\$813.6	\$690.7	\$122.9
Mississippi	6,553	5,129	1,424	\$2,206.0	\$1,635.7	\$570.3	\$766.3	\$494.0	\$272.3	\$301.6	\$226.8	\$74.8	\$149.7	\$105.5	\$44.2
Missouri	76,252	22,724	53,528	\$23,879.3	\$6,721.5	\$17,157.7	\$9,624.4	\$2,253.2	\$7,371.2	\$4,782.7	\$1,299.4	\$3,483.3	\$1,854.3	\$480.0	\$1,374.3
Montana	2,689	2,689	-	\$782.0	\$782.0	\$0.0	\$228.6	\$228.6	\$0.0	\$128.4	\$128.4	\$0.0	\$54.7	\$54.7	\$-
Nebraska	36,884	16,819	20,065	\$12,028.5	\$5,615.1	\$6,413.4	\$3,925.2	\$1,884.5	\$2,040.8	\$2,243.6	\$1,065.1	\$1,178.5	\$810.0	\$388.7	\$421.3
Nevada	1,745	388	1,357	\$661.0	\$142.0	\$518.9	\$236.6	\$37.9	\$198.7	\$102.5	\$20.3	\$82.2	\$47.3	\$9.5	\$37.8
New Hampshire	871	335	536	\$301.1	\$117.4	\$183.6	\$77.2	\$31.0	\$46.1	\$47.2	\$19.3	\$27.9	\$18.0	\$7.3	\$10.7
New Jersey	7,847	1,261	6,586	\$2,708.1	\$431.7	\$2,276.5	\$918.4	\$151.2	\$767.2	\$554.2	\$92.1	\$462.1	\$239.5	\$40.4	\$199.1
New Mexico	1,751	1,694	57	\$635.0	\$614.9	\$20.1	\$152.4	\$149.2	\$3.2	\$87.0	\$84.9	\$2.1	\$37.7	\$36.9	\$0.9
New York	20,168	9,738	10,430	\$7,251.9	\$3,499.6	\$3,752.3	\$2,362.8	\$1,152.5	\$1,210.3	\$1,487.6	\$710.7	\$776.9	\$676.5	\$329.3	\$347.3
North Carolina	23,685	18,363	5,323	\$7,393.5	\$5,759.5	\$1,634.0	\$2,336.6	\$1,846.0	\$490.5	\$1,322.8	\$1,045.9	\$276.9	\$541.0	\$427.5	\$113.6

STATE	Total Jobs	AF: Jobs	PF: Jobs	Total Sales (\$M)	AF: Total Sales(\$M)	PF: Total Sales (\$M)	Value-Added (\$M)	AF: Value-Added (\$M)	PF: Value-Added (\$M)	Labor Income (\$M)	AF: Labor Income (\$)	PF: Labor Income (\$M)	Taxes (\$M)	AF: Taxes (\$M)	PF: Taxes (\$M)
North Dakota	1,966	1,966	-	\$673.9	\$673.9	\$0.0	\$223.1	\$223.1	\$0.0	\$113.1	\$113.1	\$0.0	\$48.5	\$48.5	\$-
Ohio	54,445	32,656	21,789	\$16,165.0	\$9,292.2	\$6,872.8	\$6,375.2	\$3,405.8	\$2,969.4	\$2,964.5	\$1,721.6	\$1,243.0	\$1,272.3	\$718.8	\$553.5
Oklahoma	21,829	10,147	11,682	\$6,844.7	\$3,266.3	\$3,578.4	\$2,116.3	\$972.7	\$1,143.6	\$1,169.4	\$542.5	\$626.9	\$454.4	\$216.1	\$238.2
Oregon	4,225	3,466	759	\$1,287.7	\$1,068.0	\$219.7	\$379.0	\$325.5	\$53.5	\$231.4	\$195.8	\$35.5	\$88.7	\$75.6	\$13.1
Pennsylvania	62,524	28,991	33,533	\$19,613.4	\$8,989.5	\$10,624.0	\$6,779.2	\$3,044.5	\$3,734.8	\$3,980.3	\$1,838.3	\$2,142.0	\$1,532.3	\$706.1	\$826.2
Rhode Island	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
South Carolina	8,056	540	7,516	\$2,745.4	\$176.6	\$2,568.8	\$877.2	\$44.4	\$832.8	\$393.8	\$24.0	\$369.8	\$182.1	\$11.3	\$170.7
South Dakota	8,537	4,416	4,122	\$2,665.1	\$1,408.3	\$1,256.8	\$673.1	\$406.6	\$266.4	\$468.2	\$259.4	\$208.8	\$158.3	\$91.8	\$66.4
Tennessee	7,814	1,714	6,100	\$2,491.8	\$518.8	\$1,973.0	\$955.4	\$156.6	\$798.8	\$461.1	\$90.5	\$370.5	\$186.2	\$35.1	\$151.1
Texas	69,500	52,901	16,598	\$19,133.2	\$14,798.8	\$4,334.4	\$7,056.6	\$5,610.2	\$1,446.5	\$3,959.2	\$3,122.0	\$837.2	\$1,503.3	\$1,188.4	\$315.0
Utah	16,857	4,629	12,229	\$4,990.4	\$1,421.3	\$3,569.2	\$1,617.4	\$407.8	\$1,209.6	\$891.2	\$239.6	\$651.6	\$346.5	\$94.9	\$251.6
Vermont	4,301	3,990	310	\$1,519.5	\$1,418.0	\$101.5	\$363.9	\$349.0	\$14.9	\$241.5	\$230.4	\$11.1	\$96.7	\$92.3	\$4.4
Virginia	13,364	7,953	5,410	\$4,813.3	\$2,708.5	\$2,104.8	\$1,759.2	\$845.0	\$914.2	\$760.8	\$431.3	\$329.5	\$373.0	\$201.8	\$171.1
Washington	14,684	10,861	3,823	\$4,836.6	\$3,575.1	\$1,261.5	\$1,573.1	\$1,194.6	\$378.5	\$884.3	\$669.6	\$214.7	\$367.0	\$277.8	\$89.2
West Virginia	151	-	151	\$53.1	\$0.0	\$53.1	\$10.9	\$0.0	\$10.9	\$7.6	\$0.0	\$7.6	\$2.7	\$-	\$2.7
Wisconsin	35,309	20,881	14,427	\$10,727.0	\$6,378.2	\$4,348.8	\$3,587.2	\$2,121.3	\$1,465.9	\$1,925.6	\$1,157.9	\$767.7	\$775.9	\$465.2	\$310.7
Wyoming	117	117	-	\$46.7	\$46.7	\$0.0	\$9.7	\$9.7	\$0.0	\$5.6	\$5.6	\$0.0	\$2.6	\$2.6	\$-

Appendix B, Detailed Congressional District Results

*AF: Animal Food Manufacturing; PF: Pet Food Manufacturing

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$M)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
Alabama-1	16	16	-	\$4.7	\$4.7	\$0.0	\$1.3	\$1.3	\$0.0	\$0.9	\$0.9	\$0.0	\$0.3	\$0.3	\$-
Alabama-2	1,644	1,203	442	\$491.7	\$375.4	\$116.3	\$143.6	\$114.1	\$29.5	\$85.3	\$65.1	\$20.2	\$32.2	\$25.9	\$6.3
Alabama-3	1,197	1,174	23	\$425.6	\$417.8	\$7.8	\$105.4	\$102.9	\$2.4	\$58.1	\$56.9	\$1.2	\$23.7	\$23.2	\$0.5
Alabama-4	8,673	2,859	5,814	\$2,984.6	\$962.4	\$2,022.2	\$800.7	\$242.7	\$558.0	\$413.0	\$133.5	\$279.4	\$169.7	\$55.9	\$113.8
Alabama-5	2,719	1,223	1,495	\$948.4	\$426.8	\$521.5	\$347.1	\$142.1	\$205.0	\$174.5	\$77.6	\$97.0	\$65.0	\$28.4	\$36.6
Alabama-6	276	-	276	\$89.7	\$0.0	\$89.7	\$31.1	\$0.0	\$31.1	\$16.7	\$0.0	\$16.7	\$6.4	\$-	\$6.4
Alabama-7	2,447	2,134	314	\$844.9	\$732.9	\$112.0	\$268.4	\$230.3	\$38.1	\$153.2	\$132.6	\$20.6	\$55.7	\$48.4	\$7.3
Alaska-1	380	126	254	\$148.7	\$51.4	\$97.3	\$27.6	\$10.1	\$17.5	\$18.9	\$6.0	\$13.0	\$7.8	\$2.9	\$4.9
Arizona-1	3,430	251	3,179	\$1,104.2	\$78.4	\$1,025.8	\$441.7	\$22.0	\$419.7	\$203.8	\$11.4	\$192.4	\$87.8	\$5.4	\$82.5
Arizona-2	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Arizona-3	1,289	679	610	\$352.2	\$184.3	\$168.0	\$118.3	\$62.1	\$56.1	\$67.4	\$35.0	\$32.5	\$27.4	\$15.0	\$12.4
Arizona-4	108	108	-	\$31.9	\$31.9	\$0.0	\$7.3	\$7.3	\$0.0	\$4.0	\$4.0	\$0.0	\$2.0	\$2.0	\$-
Arizona-5	83	-	83	\$27.7	\$0.0	\$27.7	\$9.5	\$0.0	\$9.5	\$5.1	\$0.0	\$5.1	\$2.0	\$-	\$2.0
Arizona-6	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Arizona-7	1,521	713	808	\$459.0	\$214.6	\$244.4	\$153.4	\$70.6	\$82.9	\$92.2	\$42.1	\$50.1	\$31.3	\$15.0	\$16.2
Arizona-8	95	95	-	\$31.8	\$31.8	\$0.0	\$9.3	\$9.3	\$0.0	\$5.2	\$5.2	\$0.0	\$2.2	\$2.2	\$-
Arizona-9	163	38	125	\$51.0	\$11.8	\$39.2	\$17.8	\$3.8	\$13.9	\$10.2	\$2.2	\$7.9	\$3.8	\$0.9	\$2.9
Arkansas-1	1,393	748	645	\$336.7	\$189.3	\$147.5	\$117.8	\$73.8	\$44.0	\$63.8	\$39.7	\$24.0	\$26.1	\$16.3	\$9.9
Arkansas-2	1,881	1,156	726	\$475.0	\$306.7	\$168.3	\$164.4	\$107.5	\$56.9	\$85.6	\$56.1	\$29.6	\$37.1	\$24.6	\$12.5
Arkansas-3	12,456	5,333	7,123	\$4,327.9	\$1,762.4	\$2,565.5	\$1,468.8	\$601.6	\$867.2	\$684.3	\$307.7	\$376.6	\$312.4	\$134.3	\$178.1
Arkansas-4	5,839	5,244	595	\$1,823.3	\$1,613.5	\$209.8	\$538.1	\$474.5	\$63.7	\$267.7	\$241.2	\$26.5	\$127.0	\$112.9	\$14.1
California-1	427	427	-	\$131.7	\$131.7	\$0.0	\$39.0	\$39.0	\$0.0	\$23.0	\$23.0	\$0.0	\$10.5	\$10.5	\$-
California-2	899	693	206	\$287.2	\$226.0	\$61.2	\$95.7	\$78.4	\$17.3	\$60.1	\$48.1	\$12.0	\$25.4	\$20.7	\$4.7
California-3	2,296	2,260	37	\$771.6	\$760.4	\$11.2	\$259.5	\$256.4	\$3.1	\$152.7	\$150.6	\$2.1	\$66.7	\$65.8	\$0.8
California-4	655	349	306	\$209.9	\$114.4	\$95.5	\$70.0	\$39.0	\$31.0	\$41.2	\$23.1	\$18.1	\$17.8	\$10.0	\$7.8
California-5	159	159	-	\$51.7	\$51.7	\$0.0	\$18.9	\$18.9	\$0.0	\$11.9	\$11.9	\$0.0	\$4.9	\$4.9	\$-
California-6	382	188	194	\$114.6	\$57.6	\$57.0	\$41.5	\$22.8	\$18.7	\$25.8	\$13.7	\$12.1	\$10.4	\$5.6	\$4.8
California-7	364	157	208	\$112.9	\$51.2	\$61.7	\$38.4	\$18.8	\$19.6	\$24.2	\$11.5	\$12.7	\$10.0	\$4.8	\$5.2
California-8	2,460	16	2,443	\$886.1	\$6.3	\$879.8	\$261.9	\$2.0	\$259.9	\$145.7	\$1.2	\$144.5	\$60.8	\$0.5	\$60.4
California-9	8,178	4,465	3,713	\$2,359.5	\$1,347.0	\$1,012.5	\$889.0	\$546.7	\$342.3	\$548.3	\$323.0	\$225.3	\$241.5	\$144.8	\$96.7
California-10	14,673	12,482	2,192	\$4,128.6	\$3,563.6	\$564.9	\$1,531.1	\$1,341.6	\$189.5	\$891.2	\$765.5	\$125.6	\$445.9	\$391.3	\$54.6
California-11	55	55	-	\$18.7	\$18.7	\$0.0	\$7.5	\$7.5	\$0.0	\$5.1	\$5.1	\$0.0	\$1.9	\$1.9	\$-
California-12	70	19	51	\$26.1	\$7.6	\$18.5	\$6.9	\$2.7	\$4.3	\$5.5	\$1.8	\$3.7	\$1.9	\$0.6	\$1.2
California-13	98	-	98	\$27.4	\$0.0	\$27.4	\$8.6	\$0.0	\$8.6	\$6.9	\$0.0	\$6.9	\$2.6	\$-	\$2.6
California-14	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$M)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
California-15	194	194	-	\$63.3	\$63.3	\$0.0	\$27.6	\$27.6	\$0.0	\$17.1	\$17.1	\$0.0	\$7.0	\$7.0	\$-
California-16	5,896	5,444	452	\$1,824.6	\$1,703.4	\$121.2	\$630.4	\$590.8	\$39.5	\$382.3	\$355.2	\$27.1	\$164.3	\$154.0	\$10.3
California-17	406	301	104	\$174.4	\$131.3	\$43.1	\$69.1	\$52.8	\$16.3	\$42.3	\$32.6	\$9.7	\$13.0	\$10.0	\$3.0
California-18	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
California-19	226	-	226	\$78.7	\$0.0	\$78.7	\$26.7	\$0.0	\$26.7	\$18.5	\$0.0	\$18.5	\$7.5	\$-	\$7.5
California-20	310	193	117	\$94.9	\$61.1	\$33.8	\$27.9	\$19.7	\$8.2	\$19.1	\$12.4	\$6.7	\$8.2	\$5.6	\$2.6
California-21	4,061	3,352	708	\$1,409.0	\$1,183.8	\$225.2	\$454.0	\$382.9	\$71.2	\$272.0	\$226.3	\$45.6	\$118.0	\$100.1	\$17.9
California-22	9,364	7,969	1,395	\$3,248.6	\$2,794.9	\$453.7	\$1,176.7	\$1,006.2	\$170.5	\$694.7	\$599.3	\$95.4	\$297.1	\$255.2	\$41.9
California-23	666	666	-	\$212.3	\$212.3	\$0.0	\$61.9	\$61.9	\$0.0	\$38.6	\$38.6	\$0.0	\$17.2	\$17.2	\$-
California-24	739	721	18	\$241.0	\$235.5	\$5.5	\$81.4	\$79.1	\$2.2	\$49.1	\$47.8	\$1.3	\$21.5	\$21.0	\$0.5
California-25	130	105	25	\$45.6	\$37.0	\$8.6	\$18.3	\$14.8	\$3.5	\$10.7	\$8.7	\$2.0	\$5.0	\$4.1	\$0.9
California-26	216	-	216	\$69.6	\$0.0	\$69.6	\$29.2	\$0.0	\$29.2	\$16.8	\$0.0	\$16.8	\$7.3	\$-	\$7.3
California-27	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
California-28	669	-	669	\$243.5	\$0.0	\$243.5	\$105.5	\$0.0	\$105.5	\$59.7	\$0.0	\$59.7	\$23.6	\$-	\$23.6
California-29	787	71	716	\$272.0	\$24.4	\$247.6	\$119.9	\$10.0	\$109.9	\$68.2	\$5.9	\$62.3	\$28.1	\$2.5	\$25.5
California-30	34	34	-	\$12.1	\$12.1	\$0.0	\$4.8	\$4.8	\$0.0	\$2.9	\$2.9	\$0.0	\$1.3	\$1.3	\$-
California-31	711	52	659	\$195.7	\$14.9	\$180.8	\$68.5	\$6.1	\$62.4	\$42.4	\$3.7	\$38.6	\$19.2	\$1.6	\$17.6
California-32	2,249	-	2,249	\$691.7	\$0.0	\$691.7	\$292.2	\$0.0	\$292.2	\$176.2	\$0.0	\$176.2	\$77.4	\$-	\$77.4
California-33	127	-	127	\$47.6	\$0.0	\$47.6	\$20.6	\$0.0	\$20.6	\$11.5	\$0.0	\$11.5	\$4.9	\$-	\$4.9
California-34	204	35	169	\$70.3	\$12.6	\$57.6	\$28.5	\$5.0	\$23.6	\$17.1	\$3.0	\$14.1	\$6.3	\$1.1	\$5.2
California-35	474	281	193	\$152.8	\$91.1	\$61.8	\$57.6	\$34.7	\$22.9	\$34.3	\$21.2	\$13.1	\$14.5	\$8.9	\$5.6
California-36	206	16	190	\$75.6	\$6.3	\$69.4	\$26.0	\$2.0	\$24.0	\$13.8	\$1.3	\$12.6	\$5.9	\$0.5	\$5.5
California-37	268	22	246	\$100.7	\$8.0	\$92.6	\$43.9	\$3.2	\$40.7	\$24.4	\$1.9	\$22.5	\$8.9	\$0.8	\$8.2
California-38	41	41	-	\$13.3	\$13.3	\$0.0	\$5.6	\$5.6	\$0.0	\$3.3	\$3.3	\$0.0	\$1.5	\$1.5	\$-
California-39	263	263	-	\$84.8	\$84.8	\$0.0	\$35.0	\$35.0	\$0.0	\$22.2	\$22.2	\$0.0	\$9.4	\$9.4	\$-
California-40	1,882	1,710	172	\$665.4	\$606.7	\$58.7	\$262.1	\$238.3	\$23.8	\$155.9	\$141.8	\$14.1	\$62.3	\$56.7	\$5.6
California-41	1,155	377	778	\$347.8	\$114.8	\$233.0	\$128.5	\$40.3	\$88.2	\$75.7	\$24.6	\$51.1	\$32.4	\$10.7	\$21.7
California-42	1,594	387	1,207	\$497.5	\$122.1	\$375.4	\$183.5	\$42.3	\$141.2	\$106.0	\$25.6	\$80.4	\$46.1	\$11.5	\$34.7
California-43	692	243	448	\$231.1	\$81.2	\$149.9	\$99.7	\$33.5	\$66.2	\$58.2	\$20.1	\$38.1	\$23.9	\$8.3	\$15.5
California-44	1,370	1,211	159	\$486.1	\$430.5	\$55.6	\$194.4	\$171.4	\$23.1	\$113.6	\$100.4	\$13.3	\$46.2	\$41.0	\$5.2
California-45	249	47	201	\$82.1	\$17.2	\$64.9	\$26.0	\$6.7	\$19.3	\$18.6	\$4.3	\$14.3	\$6.7	\$1.6	\$5.1
California-46	139	126	12	\$47.7	\$44.0	\$3.7	\$19.0	\$17.8	\$1.2	\$12.2	\$11.3	\$0.9	\$4.6	\$4.2	\$0.3
California-47	165	-	165	\$53.4	\$0.0	\$53.4	\$23.7	\$0.0	\$23.7	\$13.9	\$0.0	\$13.9	\$5.9	\$-	\$5.9
California-48	74	40	33	\$23.9	\$13.8	\$10.1	\$8.8	\$5.7	\$3.1	\$5.9	\$3.6	\$2.4	\$2.5	\$1.5	\$1.0
California-49	508	449	58	\$172.9	\$154.9	\$18.0	\$64.1	\$58.9	\$5.2	\$39.9	\$36.1	\$3.8	\$17.1	\$15.6	\$1.5
California-50	378	86	292	\$140.1	\$33.8	\$106.2	\$43.0	\$10.8	\$32.2	\$24.9	\$6.5	\$18.4	\$11.2	\$2.9	\$8.3
California-51	3,116	3,112	5	\$1,072.2	\$1,070.7	\$1.6	\$341.2	\$340.6	\$0.6	\$202.8	\$202.5	\$0.3	\$91.8	\$91.6	\$0.1
California-52	436	94	343	\$135.1	\$31.3	\$103.8	\$42.9	\$11.9	\$31.0	\$28.8	\$7.4	\$21.5	\$11.9	\$3.2	\$8.8
California-53	15	15	-	\$5.2	\$5.2	\$0.0	\$1.9	\$1.9	\$0.0	\$1.2	\$1.2	\$0.0	\$0.5	\$0.5	\$-

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
Colorado-1	3,332	210	3,123	\$1,116.1	\$71.1	\$1,045.0	\$419.3	\$30.6	\$388.7	\$242.3	\$17.9	\$224.4	\$85.5	\$6.1	\$79.4
Colorado-2	1,509	503	1,006	\$476.6	\$163.0	\$313.5	\$147.9	\$56.3	\$91.5	\$87.0	\$32.6	\$54.4	\$33.5	\$12.5	\$21.0
Colorado-3	2,469	349	2,120	\$678.1	\$101.9	\$576.2	\$187.6	\$28.9	\$158.8	\$103.5	\$16.4	\$87.1	\$42.3	\$6.7	\$35.6
Colorado-4	10,792	7,320	3,472	\$3,107.8	\$2,173.6	\$934.2	\$1,092.2	\$764.4	\$327.8	\$642.9	\$448.0	\$194.9	\$241.7	\$169.0	\$72.7
Colorado-5	2	-	2	\$0.6	\$0.0	\$0.6	\$0.1	\$0.0	\$0.1	\$0.1	\$0.0	\$0.1	\$0.0	\$-	\$0.0
Colorado-6	781	470	312	\$234.2	\$142.1	\$92.1	\$82.3	\$53.5	\$28.8	\$49.7	\$31.7	\$17.9	\$19.1	\$12.3	\$6.9
Colorado-7	4,825	736	4,089	\$1,389.2	\$213.3	\$1,175.8	\$518.7	\$84.7	\$434.0	\$295.6	\$49.4	\$246.2	\$116.6	\$19.0	\$97.6
Connecticut-1	522	226	296	\$202.6	\$85.9	\$116.6	\$65.4	\$24.8	\$40.6	\$37.0	\$15.2	\$21.8	\$15.7	\$6.3	\$9.3
Connecticut-2	476	445	31	\$180.5	\$167.9	\$12.6	\$54.8	\$50.6	\$4.2	\$31.8	\$29.7	\$2.1	\$14.2	\$13.2	\$1.0
Connecticut-3	2	-	2	\$0.8	\$0.0	\$0.8	\$0.3	\$0.0	\$0.3	\$0.2	\$0.0	\$0.2	\$0.1	\$-	\$0.1
Connecticut-4	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Connecticut-5	81	-	81	\$30.4	\$0.0	\$30.4	\$10.8	\$0.0	\$10.8	\$5.9	\$0.0	\$5.9	\$2.7	\$-	\$2.7
Delaware-1	1,289	984	305	\$504.5	\$369.5	\$135.0	\$170.9	\$113.6	\$57.3	\$80.8	\$60.2	\$20.6	\$32.6	\$22.9	\$9.7
Florida-1	1,014	749	264	\$304.6	\$231.0	\$73.6	\$77.3	\$62.1	\$15.2	\$45.0	\$35.5	\$9.5	\$20.5	\$16.2	\$4.3
Florida-2	92	92	-	\$26.0	\$26.0	\$0.0	\$6.7	\$6.7	\$0.0	\$3.8	\$3.8	\$0.0	\$1.8	\$1.8	\$-
Florida-3	1,957	1,934	23	\$540.9	\$535.9	\$5.0	\$167.6	\$166.5	\$1.1	\$93.3	\$92.6	\$0.7	\$41.7	\$41.4	\$0.3
Florida-4	239	-	239	\$64.2	\$0.0	\$64.2	\$19.7	\$0.0	\$19.7	\$12.3	\$0.0	\$12.3	\$5.0	\$-	\$5.0
Florida-5	338	128	210	\$91.8	\$35.8	\$56.0	\$32.0	\$14.9	\$17.0	\$19.3	\$8.7	\$10.6	\$7.1	\$3.1	\$3.9
Florida-6	500	301	200	\$153.4	\$93.7	\$59.7	\$43.8	\$30.2	\$13.6	\$24.9	\$17.0	\$7.9	\$10.7	\$7.2	\$3.5
Florida-7	234	175	59	\$67.2	\$51.2	\$16.1	\$19.0	\$15.2	\$3.8	\$11.8	\$9.1	\$2.7	\$5.3	\$4.1	\$1.1
Florida-8	216	170	46	\$69.1	\$55.5	\$13.6	\$18.2	\$15.8	\$2.4	\$11.0	\$9.3	\$1.7	\$4.4	\$3.7	\$0.7
Florida-9	1,120	1,120	-	\$324.4	\$324.4	\$0.0	\$110.9	\$110.9	\$0.0	\$63.6	\$63.6	\$0.0	\$27.5	\$27.5	\$-
Florida-10	66	40	26	\$18.3	\$11.3	\$7.0	\$6.4	\$4.5	\$2.0	\$3.8	\$2.6	\$1.2	\$1.6	\$1.1	\$0.5
Florida-11	693	663	30	\$200.0	\$193.3	\$6.7	\$54.4	\$53.2	\$1.3	\$31.3	\$30.5	\$0.8	\$13.6	\$13.2	\$0.4
Florida-12	85	48	37	\$27.2	\$16.0	\$11.3	\$7.7	\$5.3	\$2.5	\$4.5	\$3.0	\$1.6	\$2.0	\$1.3	\$0.7
Florida-13	174	-	174	\$47.8	\$0.0	\$47.8	\$12.4	\$0.0	\$12.4	\$8.2	\$0.0	\$8.2	\$3.4	\$-	\$3.4
Florida-14	621	521	100	\$191.1	\$161.9	\$29.2	\$74.0	\$65.5	\$8.6	\$43.3	\$37.9	\$5.5	\$15.9	\$13.9	\$2.0
Florida-15	1,769	1,731	38	\$503.9	\$493.2	\$10.6	\$199.0	\$196.0	\$3.0	\$116.4	\$114.5	\$1.9	\$49.2	\$48.4	\$0.8
Florida-16	504	-	504	\$135.9	\$0.0	\$135.9	\$37.4	\$0.0	\$37.4	\$22.8	\$0.0	\$22.8	\$9.2	\$-	\$9.2
Florida-17	1,247	1,236	11	\$398.8	\$395.7	\$3.1	\$115.9	\$115.1	\$0.7	\$66.5	\$66.1	\$0.4	\$27.2	\$27.0	\$0.2
Florida-18	1,239	1,239	-	\$337.5	\$337.5	\$0.0	\$112.6	\$112.6	\$0.0	\$65.3	\$65.3	\$0.0	\$27.9	\$27.9	\$-
Florida-19	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Florida-20	206	152	53	\$58.4	\$43.7	\$14.6	\$18.6	\$14.6	\$4.0	\$11.4	\$8.7	\$2.7	\$4.5	\$3.5	\$1.0
Florida-21	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Florida-22	541	26	515	\$153.4	\$7.8	\$145.5	\$33.8	\$2.5	\$31.3	\$25.4	\$1.5	\$23.9	\$9.3	\$0.6	\$8.7
Florida-23	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Florida-24	433	433	-	\$127.3	\$127.3	\$0.0	\$45.0	\$45.0	\$0.0	\$27.1	\$27.1	\$0.0	\$10.3	\$10.3	\$-
Florida-25	120	120	-	\$35.4	\$35.4	\$0.0	\$11.4	\$11.4	\$0.0	\$6.9	\$6.9	\$0.0	\$2.7	\$2.7	\$-
Florida-26	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$M)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
Florida-27	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Georgia-1	380	380	-	\$119.1	\$119.1	\$0.0	\$36.6	\$36.6	\$0.0	\$21.8	\$21.8	\$0.0	\$8.4	\$8.4	\$-
Georgia-2	1,014	1,014	-	\$301.2	\$301.2	\$0.0	\$92.7	\$92.7	\$0.0	\$54.8	\$54.8	\$0.0	\$21.4	\$21.4	\$-
Georgia-3	683	683	-	\$201.4	\$201.4	\$0.0	\$58.1	\$58.1	\$0.0	\$34.9	\$34.9	\$0.0	\$14.0	\$14.0	\$-
Georgia-4	398	237	162	\$115.9	\$74.1	\$41.8	\$42.5	\$32.7	\$9.8	\$28.2	\$19.8	\$8.4	\$9.5	\$6.8	\$2.7
Georgia-5	129	106	24	\$46.2	\$38.6	\$7.5	\$15.3	\$13.9	\$1.5	\$9.8	\$8.6	\$1.2	\$3.0	\$2.7	\$0.4
Georgia-6	377	267	110	\$125.3	\$93.3	\$32.1	\$40.2	\$33.2	\$7.0	\$26.2	\$20.6	\$5.7	\$9.2	\$7.3	\$1.9
Georgia-7	149	114	34	\$46.4	\$37.2	\$9.2	\$15.3	\$12.8	\$2.5	\$10.1	\$7.9	\$2.2	\$3.6	\$2.9	\$0.6
Georgia-8	2,009	1,672	337	\$588.1	\$504.2	\$83.9	\$157.8	\$140.0	\$17.8	\$93.6	\$82.0	\$11.6	\$38.1	\$33.7	\$4.4
Georgia-9	8,041	8,018	23	\$2,404.2	\$2,398.7	\$5.6	\$901.1	\$899.8	\$1.3	\$533.0	\$532.0	\$1.0	\$201.4	\$201.0	\$0.3
Georgia-10	926	926	-	\$272.2	\$272.2	\$0.0	\$82.0	\$82.0	\$0.0	\$47.7	\$47.7	\$0.0	\$20.0	\$20.0	\$-
Georgia-11	998	790	208	\$326.4	\$263.5	\$62.8	\$117.9	\$101.2	\$16.7	\$72.9	\$61.3	\$11.6	\$26.9	\$22.7	\$4.2
Georgia-12	1,785	1,261	523	\$508.2	\$376.4	\$131.8	\$142.2	\$113.6	\$28.6	\$86.4	\$66.6	\$19.7	\$33.3	\$26.1	\$7.2
Georgia-13	6,391	97	6,294	\$1,925.9	\$30.0	\$1,895.9	\$704.0	\$11.0	\$692.9	\$401.9	\$6.5	\$395.4	\$150.5	\$2.5	\$148.1
Georgia-14	1,276	1,230	46	\$403.2	\$390.8	\$12.4	\$113.9	\$110.9	\$2.9	\$67.2	\$65.3	\$1.9	\$27.4	\$26.7	\$0.7
Hawaii-1	68	-	68	\$24.5	\$0.0	\$24.5	\$4.7	\$0.0	\$4.7	\$3.6	\$0.0	\$3.6	\$1.4	\$-	\$1.4
Hawaii-2	442	101	342	\$111.7	\$28.5	\$83.2	\$21.3	\$5.9	\$15.4	\$15.6	\$3.5	\$12.0	\$5.8	\$1.6	\$4.2
Idaho-1	720	454	266	\$216.8	\$132.5	\$84.3	\$73.6	\$40.6	\$33.0	\$37.1	\$23.1	\$13.9	\$14.8	\$8.8	\$6.1
Idaho-2	5,976	4,481	1,495	\$1,836.5	\$1,350.2	\$486.2	\$584.7	\$394.2	\$190.5	\$314.1	\$226.0	\$88.1	\$119.4	\$84.5	\$34.9
Illinois-1	133	-	133	\$48.8	\$0.0	\$48.8	\$18.8	\$0.0	\$18.8	\$11.0	\$0.0	\$11.0	\$4.5	\$-	\$4.5
Illinois-2	71	-	71	\$24.5	\$0.0	\$24.5	\$6.7	\$0.0	\$6.7	\$4.5	\$0.0	\$4.5	\$1.7	\$-	\$1.7
Illinois-3	1,418	1,057	361	\$493.7	\$364.5	\$129.2	\$216.9	\$166.4	\$50.5	\$126.8	\$96.8	\$30.0	\$49.2	\$37.2	\$12.0
Illinois-4	1,249	1,036	213	\$454.3	\$375.1	\$79.3	\$199.2	\$168.6	\$30.6	\$116.4	\$98.3	\$18.1	\$44.9	\$37.6	\$7.3
Illinois-5	173	126	47	\$58.8	\$43.1	\$15.7	\$24.4	\$20.0	\$4.5	\$15.3	\$12.0	\$3.4	\$5.9	\$4.7	\$1.3
Illinois-6	706	703	3	\$229.2	\$228.2	\$1.0	\$80.0	\$79.7	\$0.3	\$48.3	\$48.1	\$0.2	\$20.0	\$19.9	\$0.1
Illinois-7	331	159	172	\$142.4	\$68.9	\$73.6	\$56.5	\$29.1	\$27.4	\$33.1	\$17.0	\$16.1	\$9.9	\$4.9	\$4.9
Illinois-8	1,364	667	698	\$477.6	\$227.8	\$249.7	\$175.3	\$78.8	\$96.5	\$107.2	\$48.2	\$59.0	\$39.6	\$18.0	\$21.6
Illinois-9	601	-	601	\$217.0	\$0.0	\$217.0	\$86.0	\$0.0	\$86.0	\$51.9	\$0.0	\$51.9	\$21.2	\$-	\$21.2
Illinois-10	364	-	364	\$151.3	\$0.0	\$151.3	\$59.0	\$0.0	\$59.0	\$32.7	\$0.0	\$32.7	\$12.1	\$-	\$12.1
Illinois-11	1,482	1,482	-	\$477.4	\$477.4	\$0.0	\$215.3	\$215.3	\$0.0	\$123.6	\$123.6	\$0.0	\$48.6	\$48.6	\$-
Illinois-12	1,308	1,308	-	\$383.7	\$383.7	\$0.0	\$120.1	\$120.1	\$0.0	\$69.8	\$69.8	\$0.0	\$26.9	\$26.9	\$-
Illinois-13	306	306	-	\$105.4	\$105.4	\$0.0	\$36.6	\$36.6	\$0.0	\$20.6	\$20.6	\$0.0	\$7.8	\$7.8	\$-
Illinois-14	555	320	236	\$179.3	\$102.9	\$76.4	\$65.5	\$39.9	\$25.7	\$37.9	\$22.5	\$15.3	\$16.2	\$9.6	\$6.6
Illinois-15	6,829	3,467	3,362	\$1,983.4	\$1,009.7	\$973.6	\$618.2	\$320.2	\$298.0	\$356.7	\$184.9	\$171.8	\$148.2	\$76.7	\$71.4
Illinois-16	4,639	3,841	798	\$1,417.4	\$1,179.3	\$238.1	\$478.7	\$408.2	\$70.5	\$268.2	\$226.7	\$41.5	\$112.9	\$95.7	\$17.2
Illinois-17	7,719	4,020	3,699	\$2,259.5	\$1,202.9	\$1,056.6	\$786.9	\$446.3	\$340.6	\$462.2	\$252.6	\$209.6	\$178.3	\$98.6	\$79.6
Illinois-18	13,827	13,248	579	\$4,122.3	\$3,954.8	\$167.5	\$1,563.9	\$1,506.1	\$57.8	\$895.0	\$860.0	\$35.0	\$352.7	\$339.2	\$13.5
Indiana-1	535	90	445	\$204.8	\$30.2	\$174.6	\$67.1	\$9.9	\$57.2	\$29.4	\$5.3	\$24.2	\$12.9	\$2.0	\$10.9
Indiana-2	3,404	2,008	1,396	\$1,108.0	\$633.5	\$474.6	\$368.8	\$222.8	\$146.0	\$190.8	\$117.1	\$73.7	\$75.8	\$46.1	\$29.6

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Indiana-3	2,112	1,908	204	\$675.9	\$601.4	\$74.5	\$236.6	\$210.5	\$26.2	\$118.3	\$107.6	\$10.7	\$48.4	\$43.5	\$4.8
Indiana-4	5,009	3,293	1,716	\$1,736.0	\$1,104.0	\$632.0	\$574.3	\$369.3	\$205.1	\$279.1	\$187.3	\$91.8	\$114.0	\$74.3	\$39.7
Indiana-5	338	172	166	\$124.3	\$59.0	\$65.3	\$37.7	\$19.0	\$18.7	\$19.3	\$10.2	\$9.1	\$8.3	\$4.2	\$4.1
Indiana-6	5,081	2,748	2,333	\$1,678.4	\$889.8	\$788.6	\$550.5	\$283.2	\$267.3	\$257.9	\$144.2	\$113.7	\$104.8	\$56.3	\$48.4
Indiana-7	801	801	-	\$328.7	\$328.7	\$0.0	\$116.2	\$116.2	\$0.0	\$58.6	\$58.6	\$0.0	\$19.5	\$19.5	\$-
Indiana-8	6,768	5,145	1,624	\$2,081.2	\$1,595.0	\$486.3	\$670.1	\$510.4	\$159.7	\$349.3	\$269.7	\$79.6	\$129.5	\$100.2	\$29.3
Indiana-9	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Iowa-1	7,329	5,073	2,256	\$2,543.9	\$1,790.2	\$753.7	\$736.6	\$519.0	\$217.6	\$403.1	\$281.2	\$121.9	\$153.4	\$107.8	\$45.6
Iowa-2	18,863	4,090	14,772	\$6,436.0	\$1,460.7	\$4,975.3	\$1,990.7	\$418.6	\$1,572.1	\$1,073.3	\$228.3	\$845.0	\$410.1	\$86.4	\$323.7
Iowa-3	10,872	10,858	14	\$3,579.1	\$3,574.9	\$4.2	\$1,417.0	\$1,415.5	\$1.4	\$788.7	\$787.8	\$0.9	\$284.3	\$284.0	\$0.3
Iowa-4	20,982	15,028	5,953	\$7,489.3	\$5,397.8	\$2,091.5	\$2,236.2	\$1,619.3	\$616.9	\$1,234.6	\$884.5	\$350.1	\$478.4	\$345.3	\$133.2
Kansas-1	17,400	6,840	10,561	\$5,901.2	\$2,286.6	\$3,614.6	\$1,636.7	\$634.5	\$1,002.2	\$943.2	\$361.5	\$581.7	\$370.0	\$145.0	\$225.0
Kansas-2	23,430	4,416	19,014	\$7,211.0	\$1,394.2	\$5,816.7	\$2,156.3	\$429.5	\$1,726.8	\$1,186.3	\$240.2	\$946.1	\$460.9	\$93.2	\$367.6
Kansas-3	8,655	7,162	1,492	\$2,901.2	\$2,407.8	\$493.4	\$1,216.7	\$1,038.7	\$178.0	\$677.2	\$580.2	\$96.9	\$253.4	\$215.5	\$37.9
Kansas-4	4,375	2,061	2,314	\$1,398.8	\$681.3	\$717.4	\$387.6	\$186.7	\$201.0	\$236.0	\$107.8	\$128.2	\$88.0	\$42.3	\$45.7
Kentucky-1	6,407	6,335	72	\$1,856.0	\$1,836.7	\$19.3	\$516.6	\$511.4	\$5.2	\$305.6	\$301.8	\$3.9	\$118.5	\$117.4	\$1.1
Kentucky-2	6,659	5,283	1,376	\$2,094.2	\$1,630.6	\$463.5	\$624.7	\$487.1	\$137.6	\$341.7	\$264.2	\$77.6	\$151.6	\$120.5	\$31.1
Kentucky-3	521	364	156	\$222.0	\$144.9	\$77.1	\$67.8	\$45.5	\$22.4	\$37.8	\$25.5	\$12.3	\$15.0	\$10.2	\$4.8
Kentucky-4	1,129	331	798	\$339.3	\$99.9	\$239.4	\$101.8	\$33.0	\$68.8	\$56.5	\$17.8	\$38.7	\$24.1	\$8.0	\$16.2
Kentucky-5	1,198	344	854	\$316.7	\$100.0	\$216.7	\$83.4	\$28.4	\$55.0	\$43.1	\$15.0	\$28.2	\$18.9	\$6.8	\$12.1
Kentucky-6	2,878	2,878	-	\$1,060.8	\$1,060.8	\$0.0	\$323.1	\$323.1	\$0.0	\$179.3	\$179.3	\$0.0	\$74.9	\$74.9	\$-
Louisiana-1	274	214	60	\$88.3	\$71.0	\$17.3	\$28.6	\$24.6	\$3.9	\$16.0	\$13.1	\$2.9	\$6.0	\$5.0	\$1.0
Louisiana-2	639	458	181	\$222.6	\$162.9	\$59.7	\$70.3	\$58.8	\$11.5	\$40.3	\$32.1	\$8.3	\$13.5	\$10.7	\$2.7
Louisiana-3	696	696	-	\$219.4	\$219.4	\$0.0	\$66.2	\$66.2	\$0.0	\$35.4	\$35.4	\$0.0	\$13.9	\$13.9	\$-
Louisiana-4	744	580	164	\$219.6	\$175.7	\$43.9	\$68.7	\$56.9	\$11.8	\$35.7	\$29.0	\$6.7	\$14.3	\$11.8	\$2.5
Louisiana-5	3,307	3,300	7	\$923.8	\$921.9	\$1.9	\$286.1	\$285.6	\$0.5	\$151.3	\$151.0	\$0.3	\$60.4	\$60.3	\$0.1
Louisiana-6	619	616	3	\$202.2	\$201.2	\$1.0	\$64.1	\$63.8	\$0.3	\$33.7	\$33.5	\$0.1	\$13.9	\$13.9	\$0.1
Maine-1	778	733	45	\$266.0	\$251.6	\$14.4	\$77.6	\$73.6	\$4.1	\$40.9	\$38.9	\$2.0	\$18.3	\$17.4	\$0.9
Maine-2	758	758	-	\$218.8	\$218.8	\$0.0	\$61.3	\$61.3	\$0.0	\$33.6	\$33.6	\$0.0	\$14.9	\$14.9	\$-
Maryland-1	2,198	984	1,214	\$804.1	\$314.9	\$489.2	\$314.7	\$103.8	\$210.9	\$119.7	\$49.1	\$70.6	\$62.7	\$24.3	\$38.4
Maryland-2	413	266	147	\$165.1	\$95.5	\$69.7	\$72.7	\$36.0	\$36.8	\$28.7	\$17.0	\$11.7	\$13.2	\$7.4	\$5.8
Maryland-3	682	644	38	\$259.2	\$240.6	\$18.6	\$104.8	\$94.8	\$10.0	\$47.7	\$44.5	\$3.2	\$21.3	\$19.6	\$1.6
Maryland-4	79	33	46	\$34.9	\$12.8	\$22.1	\$14.4	\$4.2	\$10.2	\$5.1	\$1.9	\$3.2	\$2.7	\$0.9	\$1.8
Maryland-5	66	23	43	\$30.3	\$8.9	\$21.5	\$12.4	\$2.7	\$9.7	\$3.8	\$1.1	\$2.7	\$2.3	\$0.6	\$1.7
Maryland-6	106	106	-	\$37.8	\$37.8	\$0.0	\$13.0	\$13.0	\$0.0	\$6.5	\$6.5	\$0.0	\$2.9	\$2.9	\$-
Maryland-7	322	219	103	\$126.5	\$79.0	\$47.5	\$56.0	\$30.6	\$25.4	\$22.7	\$14.5	\$8.1	\$11.1	\$6.7	\$4.4
Maryland-8	88	88	-	\$38.0	\$38.0	\$0.0	\$17.6	\$17.6	\$0.0	\$7.3	\$7.3	\$0.0	\$3.4	\$3.4	\$-
Massachusetts-1	48	-	48	\$13.6	\$0.0	\$13.6	\$3.3	\$0.0	\$3.3	\$2.6	\$0.0	\$2.6	\$0.9	\$-	\$0.9
Massachusetts-2	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-

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Massachusetts-3	84	-	84	\$31.1	\$0.0	\$31.1	\$8.5	\$0.0	\$8.5	\$6.1	\$0.0	\$6.1	\$2.1	\$-	\$2.1
Massachusetts-4	428	425	3	\$150.7	\$149.6	\$1.2	\$41.5	\$41.2	\$0.2	\$28.2	\$28.0	\$0.2	\$10.7	\$10.6	\$0.1
Massachusetts-5	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Massachusetts-6	275	-	275	\$86.7	\$0.0	\$86.7	\$22.2	\$0.0	\$22.2	\$17.9	\$0.0	\$17.9	\$6.3	\$-	\$6.3
Massachusetts-7	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Massachusetts-8	121	-	121	\$40.7	\$0.0	\$40.7	\$10.1	\$0.0	\$10.1	\$8.3	\$0.0	\$8.3	\$2.7	\$-	\$2.7
Massachusetts-9	138	-	138	\$44.8	\$0.0	\$44.8	\$8.2	\$0.0	\$8.2	\$6.5	\$0.0	\$6.5	\$2.5	\$-	\$2.5
Michigan-1	15	15	-	\$4.3	\$4.3	\$0.0	\$1.1	\$1.1	\$0.0	\$0.6	\$0.6	\$0.0	\$0.3	\$0.3	\$-
Michigan-2	2,311	2,181	130	\$679.1	\$638.3	\$40.8	\$224.3	\$210.1	\$14.2	\$125.6	\$118.1	\$7.5	\$49.2	\$46.3	\$2.9
Michigan-3	1,021	346	675	\$302.3	\$97.8	\$204.4	\$124.6	\$32.3	\$92.3	\$64.0	\$18.9	\$45.1	\$25.1	\$7.2	\$17.9
Michigan-4	1,629	1,368	261	\$475.0	\$389.9	\$85.1	\$146.8	\$117.9	\$28.9	\$79.7	\$66.0	\$13.7	\$32.7	\$26.8	\$5.9
Michigan-5	253	155	98	\$68.2	\$41.0	\$27.2	\$20.1	\$11.9	\$8.2	\$11.3	\$6.8	\$4.5	\$4.5	\$2.7	\$1.7
Michigan-6	1,307	1,015	291	\$381.3	\$292.5	\$88.8	\$119.5	\$88.9	\$30.5	\$64.3	\$48.9	\$15.4	\$25.8	\$19.6	\$6.2
Michigan-7	926	892	34	\$232.3	\$224.1	\$8.2	\$81.2	\$77.5	\$3.7	\$45.0	\$43.3	\$1.7	\$17.3	\$16.6	\$0.7
Michigan-8	1,010	929	81	\$313.3	\$284.2	\$29.1	\$105.6	\$91.8	\$13.8	\$59.3	\$53.3	\$6.0	\$22.5	\$19.9	\$2.5
Michigan-9	856	541	315	\$287.9	\$171.4	\$116.5	\$95.3	\$50.5	\$44.8	\$52.0	\$30.1	\$21.8	\$19.9	\$11.3	\$8.7
Michigan-10	1,700	1,463	237	\$540.5	\$461.5	\$79.0	\$163.2	\$135.8	\$27.4	\$89.9	\$76.7	\$13.2	\$36.1	\$30.5	\$5.5
Michigan-11	32	32	-	\$10.2	\$10.2	\$0.0	\$3.4	\$3.4	\$0.0	\$2.3	\$2.3	\$0.0	\$0.8	\$0.8	\$-
Michigan-12	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Michigan-13	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Michigan-14	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Minnesota-1	7,813	7,093	721	\$2,584.4	\$2,365.9	\$218.5	\$876.6	\$815.1	\$61.5	\$532.1	\$491.0	\$41.2	\$198.5	\$183.1	\$15.4
Minnesota-2	690	596	94	\$211.4	\$183.7	\$27.6	\$84.8	\$75.8	\$9.0	\$51.2	\$45.2	\$6.0	\$20.0	\$17.7	\$2.3
Minnesota-3	1,065	450	615	\$396.8	\$159.9	\$236.9	\$178.2	\$77.9	\$100.2	\$103.8	\$47.1	\$56.7	\$39.9	\$17.1	\$22.8
Minnesota-4	289	-	289	\$97.2	\$0.0	\$97.2	\$32.3	\$0.0	\$32.3	\$21.0	\$0.0	\$21.0	\$7.9	\$-	\$7.9
Minnesota-5	436	-	436	\$176.6	\$0.0	\$176.6	\$73.1	\$0.0	\$73.1	\$42.1	\$0.0	\$42.1	\$14.6	\$-	\$14.6
Minnesota-6	3,025	2,637	389	\$853.9	\$756.6	\$97.2	\$325.5	\$295.7	\$29.8	\$196.2	\$176.6	\$19.7	\$78.2	\$70.5	\$7.7
Minnesota-7	17,649	14,850	2,799	\$4,967.6	\$4,253.4	\$714.2	\$1,779.3	\$1,570.6	\$208.7	\$1,072.4	\$932.8	\$139.6	\$417.8	\$365.9	\$51.9
Minnesota-8	1,796	1,782	14	\$520.0	\$516.8	\$3.2	\$160.5	\$159.6	\$0.9	\$94.0	\$93.4	\$0.6	\$36.8	\$36.6	\$0.2
Mississippi-1	3,320	2,363	956	\$1,083.6	\$710.1	\$373.5	\$378.4	\$203.9	\$174.5	\$142.0	\$94.6	\$47.4	\$70.7	\$42.7	\$28.0
Mississippi-2	1,202	1,101	101	\$398.1	\$350.7	\$47.4	\$129.5	\$107.1	\$22.4	\$55.1	\$49.4	\$5.7	\$27.5	\$23.7	\$3.8
Mississippi-3	1,415	1,048	367	\$479.2	\$329.8	\$149.4	\$182.4	\$107.0	\$75.4	\$72.8	\$51.0	\$21.8	\$36.1	\$23.6	\$12.5
Mississippi-4	617	617	-	\$245.1	\$245.1	\$0.0	\$76.1	\$76.1	\$0.0	\$31.7	\$31.7	\$0.0	\$15.4	\$15.4	\$-
Missouri-1	13,411	788	12,623	\$5,598.7	\$286.4	\$5,312.3	\$2,769.9	\$109.2	\$2,660.7	\$1,220.6	\$63.4	\$1,157.2	\$456.9	\$19.9	\$437.0
Missouri-2	10,996	409	10,587	\$4,139.4	\$138.6	\$4,000.8	\$2,098.2	\$56.3	\$2,042.0	\$928.3	\$32.8	\$895.5	\$391.6	\$11.7	\$379.9
Missouri-3	8,832	1,075	7,758	\$2,050.1	\$298.4	\$1,751.7	\$774.6	\$95.0	\$679.6	\$407.8	\$55.6	\$352.2	\$151.6	\$19.7	\$131.9
Missouri-4	6,526	2,508	4,019	\$1,593.8	\$702.9	\$891.0	\$532.9	\$229.4	\$303.5	\$302.4	\$135.1	\$167.3	\$107.1	\$46.5	\$60.6
Missouri-5	2,416	1,295	1,121	\$702.8	\$401.8	\$301.0	\$251.4	\$156.2	\$95.3	\$153.8	\$92.3	\$61.5	\$51.3	\$30.6	\$20.7
Missouri-6	11,905	3,491	8,414	\$3,314.0	\$1,046.7	\$2,267.3	\$1,123.7	\$338.4	\$785.4	\$638.0	\$200.6	\$437.5	\$241.9	\$72.6	\$169.2

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$M)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
Missouri-7	16,559	9,365	7,194	\$4,750.7	\$2,671.5	\$2,079.1	\$1,520.6	\$899.0	\$621.6	\$843.5	\$515.0	\$328.5	\$338.9	\$200.7	\$138.3
Missouri-8	5,607	3,794	1,813	\$1,729.8	\$1,175.3	\$554.5	\$553.0	\$369.7	\$183.2	\$288.4	\$204.8	\$83.6	\$115.0	\$78.4	\$36.6
Montana-1	2,689	2,689	-	\$782.0	\$782.0	\$0.0	\$228.6	\$228.6	\$0.0	\$128.4	\$128.4	\$0.0	\$54.7	\$54.7	\$-
Nebraska-1	16,287	6,128	10,159	\$5,168.6	\$2,033.2	\$3,135.5	\$1,707.1	\$701.2	\$1,005.9	\$991.2	\$393.8	\$597.5	\$347.0	\$140.3	\$206.8
Nebraska-2	3,285	1,328	1,957	\$1,156.2	\$459.9	\$696.3	\$414.1	\$176.9	\$237.2	\$229.0	\$99.4	\$129.6	\$82.9	\$35.2	\$47.7
Nebraska-3	17,312	9,362	7,949	\$5,703.6	\$3,122.0	\$2,581.6	\$1,804.0	\$1,006.3	\$797.6	\$1,023.3	\$571.9	\$451.4	\$380.0	\$213.3	\$166.8
Nevada-1	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Nevada-2	1,541	239	1,302	\$579.6	\$84.0	\$495.6	\$215.4	\$23.2	\$192.3	\$91.7	\$12.5	\$79.2	\$42.3	\$5.9	\$36.4
Nevada-3	26	-	26	\$11.4	\$0.0	\$11.4	\$3.1	\$0.0	\$3.1	\$1.4	\$0.0	\$1.4	\$0.7	\$-	\$0.7
Nevada-4	178	149	29	\$70.0	\$58.0	\$12.0	\$18.0	\$14.7	\$3.3	\$9.3	\$7.8	\$1.5	\$4.4	\$3.7	\$0.7
New Hampshire-1	378	38	340	\$130.7	\$13.1	\$117.6	\$31.8	\$3.2	\$28.6	\$19.7	\$2.1	\$17.7	\$7.5	\$0.8	\$6.7
New Hampshire-2	493	297	196	\$170.4	\$104.3	\$66.1	\$45.3	\$27.8	\$17.5	\$27.5	\$17.2	\$10.3	\$10.4	\$6.5	\$3.9
New Jersey-1	4,796	-	4,796	\$1,619.7	\$0.0	\$1,619.7	\$544.6	\$0.0	\$544.6	\$326.0	\$0.0	\$326.0	\$142.3	\$-	\$142.3
New Jersey-2	34	-	34	\$11.5	\$0.0	\$11.5	\$3.6	\$0.0	\$3.6	\$2.2	\$0.0	\$2.2	\$1.0	\$-	\$1.0
New Jersey-3	438	-	438	\$155.2	\$0.0	\$155.2	\$54.4	\$0.0	\$54.4	\$31.4	\$0.0	\$31.4	\$13.9	\$-	\$13.9
New Jersey-4	57	57	-	\$18.1	\$18.1	\$0.0	\$5.2	\$5.2	\$0.0	\$3.2	\$3.2	\$0.0	\$1.6	\$1.6	\$-
New Jersey-5	150	45	105	\$54.4	\$15.3	\$39.1	\$22.3	\$5.8	\$16.5	\$13.0	\$3.7	\$9.3	\$5.3	\$1.5	\$3.8
New Jersey-6	1,102	360	743	\$389.3	\$114.4	\$274.9	\$129.4	\$42.0	\$87.4	\$80.2	\$25.6	\$54.6	\$33.9	\$11.1	\$22.8
New Jersey-7	736	736	-	\$263.3	\$263.3	\$0.0	\$90.1	\$90.1	\$0.0	\$54.7	\$54.7	\$0.0	\$24.2	\$24.2	\$-
New Jersey-8	1	1	-	\$0.2	\$0.2	\$0.0	\$0.1	\$0.1	\$0.0	\$0.1	\$0.1	\$0.0	\$0.0	\$0.0	\$-
New Jersey-9	254	63	192	\$90.5	\$20.3	\$70.2	\$34.7	\$8.0	\$26.8	\$21.4	\$4.9	\$16.5	\$8.4	\$2.0	\$6.4
New Jersey-10	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New Jersey-11	234	-	234	\$89.3	\$0.0	\$89.3	\$29.2	\$0.0	\$29.2	\$19.0	\$0.0	\$19.0	\$7.6	\$-	\$7.6
New Jersey-12	44	-	44	\$16.6	\$0.0	\$16.6	\$4.6	\$0.0	\$4.6	\$3.2	\$0.0	\$3.2	\$1.3	\$-	\$1.3
New Mexico-1	272	219	53	\$93.0	\$74.4	\$18.6	\$23.8	\$20.8	\$2.9	\$14.1	\$12.1	\$2.0	\$5.9	\$5.1	\$0.8
New Mexico-2	588	584	4	\$217.1	\$215.8	\$1.4	\$52.1	\$51.9	\$0.2	\$30.5	\$30.4	\$0.1	\$12.3	\$12.3	\$0.1
New Mexico-3	892	892	-	\$324.9	\$324.8	\$0.2	\$76.5	\$76.5	\$0.0	\$42.3	\$42.3	\$0.0	\$19.5	\$19.4	\$0.0
New York-1	47	47	-	\$18.3	\$18.3	\$0.0	\$6.4	\$6.4	\$0.0	\$3.8	\$3.8	\$0.0	\$1.9	\$1.9	\$-
New York-2	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-3	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-4	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-5	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-6	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-7	8	0	8	\$3.1	\$0.2	\$2.9	\$1.1	\$0.1	\$1.0	\$0.7	\$0.0	\$0.7	\$0.4	\$0.0	\$0.3
New York-8	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-9	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-10	23	2	21	\$12.4	\$0.8	\$11.5	\$4.3	\$0.3	\$4.0	\$2.9	\$0.2	\$2.7	\$1.0	\$0.1	\$1.0
New York-11	21	-	21	\$8.5	\$0.0	\$8.5	\$1.6	\$0.0	\$1.6	\$1.0	\$0.0	\$1.0	\$0.6	\$-	\$0.6
New York-12	29	2	27	\$15.1	\$1.0	\$14.1	\$5.2	\$0.4	\$4.9	\$3.5	\$0.2	\$3.3	\$1.2	\$0.1	\$1.1

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$M)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
New York-13	1	0	1	\$0.5	\$0.0	\$0.4	\$0.1	\$0.0	\$0.1	\$0.1	\$0.0	\$0.1	\$0.0	\$0.0	\$0.0
New York-14	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-15	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-16	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-17	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
New York-18	339	231	108	\$121.2	\$81.2	\$40.0	\$43.3	\$27.7	\$15.6	\$26.5	\$16.9	\$9.6	\$12.8	\$8.4	\$4.4
New York-19	795	738	58	\$292.6	\$271.8	\$20.8	\$83.4	\$78.3	\$5.0	\$50.1	\$46.9	\$3.1	\$23.5	\$22.0	\$1.6
New York-20	735	665	70	\$261.1	\$236.0	\$25.1	\$102.5	\$95.2	\$7.4	\$64.8	\$59.6	\$5.2	\$26.6	\$24.3	\$2.2
New York-21	959	912	48	\$377.9	\$359.8	\$18.1	\$103.9	\$99.5	\$4.4	\$62.0	\$59.1	\$3.0	\$30.8	\$29.4	\$1.4
New York-22	2,520	1,057	1,462	\$813.7	\$357.0	\$456.7	\$253.4	\$113.0	\$140.4	\$156.5	\$67.9	\$88.6	\$72.8	\$31.6	\$41.1
New York-23	7,283	2,370	4,913	\$2,728.7	\$893.8	\$1,834.9	\$783.6	\$241.1	\$542.5	\$503.1	\$155.1	\$347.9	\$230.8	\$72.1	\$158.7
New York-24	1,164	1,164	-	\$371.9	\$371.9	\$0.0	\$157.9	\$157.9	\$0.0	\$98.1	\$98.1	\$0.0	\$43.9	\$43.9	\$-
New York-25	52	52	-	\$18.3	\$18.3	\$0.0	\$6.8	\$6.8	\$0.0	\$4.2	\$4.2	\$0.0	\$1.9	\$1.9	\$-
New York-26	3,277	256	3,021	\$1,155.1	\$88.9	\$1,066.2	\$432.8	\$35.0	\$397.8	\$279.7	\$21.6	\$258.1	\$118.6	\$9.3	\$109.3
New York-27	2,916	2,243	673	\$1,053.6	\$800.5	\$253.1	\$376.5	\$290.9	\$85.6	\$230.6	\$177.1	\$53.5	\$109.8	\$84.3	\$25.5
North Carolina-1	3,998	2,478	1,520	\$1,308.2	\$824.1	\$484.1	\$412.7	\$262.9	\$149.9	\$228.7	\$147.5	\$81.2	\$93.0	\$58.8	\$34.2
North Carolina-2	2,175	1,715	459	\$668.7	\$541.3	\$127.4	\$198.8	\$164.7	\$34.1	\$115.1	\$94.2	\$20.8	\$46.4	\$38.2	\$8.2
North Carolina-3	341	341	-	\$113.0	\$113.0	\$0.0	\$30.5	\$30.5	\$0.0	\$17.1	\$17.1	\$0.0	\$7.1	\$7.1	\$-
North Carolina-4	554	431	123	\$198.0	\$153.4	\$44.6	\$59.9	\$47.1	\$12.8	\$34.1	\$27.0	\$7.1	\$12.7	\$10.0	\$2.6
North Carolina-5	3,223	2,790	433	\$853.2	\$754.4	\$98.9	\$268.9	\$240.0	\$28.8	\$158.1	\$139.3	\$18.7	\$66.2	\$59.0	\$7.2
North Carolina-6	743	735	8	\$219.9	\$217.6	\$2.4	\$69.7	\$69.1	\$0.6	\$39.7	\$39.3	\$0.4	\$16.8	\$16.6	\$0.1
North Carolina-7	4,105	3,837	268	\$1,313.3	\$1,233.9	\$79.3	\$384.4	\$363.5	\$20.9	\$214.9	\$202.1	\$12.8	\$91.0	\$85.8	\$5.2
North Carolina-8	2,558	2,558	-	\$775.4	\$775.4	\$0.0	\$248.8	\$248.8	\$0.0	\$140.5	\$140.5	\$0.0	\$58.1	\$58.1	\$-
North Carolina-9	989	763	226	\$337.1	\$255.9	\$81.2	\$114.3	\$89.4	\$24.9	\$65.7	\$51.7	\$13.9	\$26.7	\$20.8	\$5.9
North Carolina-10	355	-	355	\$107.0	\$0.0	\$107.0	\$27.4	\$0.0	\$27.4	\$14.8	\$0.0	\$14.8	\$6.5	\$-	\$6.5
North Carolina-11	394	-	394	\$109.1	\$0.0	\$109.1	\$23.0	\$0.0	\$23.0	\$13.2	\$0.0	\$13.2	\$5.7	\$-	\$5.7
North Carolina-12	174	77	97	\$59.7	\$25.7	\$34.0	\$19.6	\$9.3	\$10.3	\$11.2	\$5.4	\$5.8	\$4.1	\$1.9	\$2.2
North Carolina-13	4,075	2,637	1,438	\$1,330.9	\$864.7	\$466.2	\$478.8	\$321.0	\$157.8	\$269.9	\$181.7	\$88.2	\$106.7	\$71.1	\$35.6
North Dakota-1	1,966	1,966	-	\$673.9	\$673.9	\$0.0	\$223.1	\$223.1	\$0.0	\$113.1	\$113.1	\$0.0	\$48.5	\$48.5	\$-
Ohio-1	2,198	2,198	-	\$759.5	\$759.5	\$0.0	\$304.6	\$304.6	\$0.0	\$150.3	\$150.3	\$0.0	\$58.3	\$58.3	\$-
Ohio-2	2,997	2,997	-	\$819.0	\$819.0	\$0.0	\$324.8	\$324.8	\$0.0	\$163.5	\$163.5	\$0.0	\$63.8	\$63.8	\$-
Ohio-3	3,088	-	3,088	\$1,361.1	\$0.0	\$1,361.1	\$615.3	\$0.0	\$615.3	\$243.0	\$0.0	\$243.0	\$104.2	\$-	\$104.2
Ohio-4	2,182	997	1,185	\$614.0	\$277.1	\$336.8	\$234.8	\$101.6	\$133.3	\$110.6	\$50.4	\$60.2	\$46.2	\$20.6	\$25.7
Ohio-5	14,990	12,022	2,968	\$4,161.1	\$3,231.3	\$929.8	\$1,672.8	\$1,179.9	\$492.8	\$806.1	\$610.3	\$195.9	\$361.8	\$263.7	\$98.1
Ohio-6	4,726	1,820	2,907	\$1,187.9	\$489.6	\$698.2	\$419.5	\$161.3	\$258.3	\$186.9	\$78.6	\$108.2	\$81.6	\$33.3	\$48.3
Ohio-7	3,980	3,716	263	\$1,116.1	\$1,036.8	\$79.2	\$402.7	\$369.6	\$33.1	\$195.3	\$181.4	\$13.9	\$84.5	\$78.0	\$6.4
Ohio-8	3,338	1,378	1,961	\$1,002.2	\$412.6	\$589.6	\$365.5	\$142.8	\$222.7	\$177.6	\$72.1	\$105.4	\$73.2	\$29.3	\$43.8
Ohio-9	448	448	-	\$146.1	\$146.1	\$0.0	\$70.1	\$70.1	\$0.0	\$34.0	\$34.0	\$0.0	\$12.3	\$12.3	\$-
Ohio-10	3,172	1,472	1,699	\$999.1	\$445.5	\$553.6	\$352.2	\$147.1	\$205.1	\$172.7	\$76.7	\$96.0	\$72.1	\$30.7	\$41.4

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$M)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
Ohio-11	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$17.8	\$6.7	\$11.1
Ohio-12	1,131	344	787	\$423.0	\$109.4	\$313.5	\$190.8	\$41.8	\$149.0	\$75.0	\$20.2	\$54.9	\$104.2	\$76.3	\$27.9
Ohio-13	378	378	-	\$118.3	\$118.3	\$0.0	\$39.2	\$39.2	\$0.0	\$19.6	\$19.6	\$0.0	\$125.9	\$64.3	\$61.7
Ohio-14	1,136	1,136	-	\$364.5	\$364.5	\$0.0	\$132.1	\$132.1	\$0.0	\$64.1	\$64.1	\$0.0	\$41.4	\$34.3	\$7.1
Ohio-15	8,092	1,410	6,683	\$2,326.4	\$395.4	\$1,931.0	\$961.0	\$135.5	\$825.5	\$419.5	\$69.4	\$350.2	\$165.0	\$34.6	\$130.4
Ohio-16	2,589	2,341	249	\$766.9	\$687.1	\$79.8	\$289.7	\$255.4	\$34.3	\$146.3	\$131.0	\$15.2	\$11.9	\$11.9	\$-
Oklahoma-1	696	243	452	\$244.1	\$82.5	\$161.6	\$82.8	\$30.4	\$52.3	\$46.1	\$17.7	\$28.3	\$4.0	\$4.0	\$-
Oklahoma-2	5,921	4,061	1,860	\$1,848.8	\$1,333.9	\$514.9	\$480.4	\$349.2	\$131.2	\$262.3	\$190.7	\$71.6	\$28.3	\$19.5	\$8.8
Oklahoma-3	5,721	2,881	2,840	\$1,860.6	\$903.7	\$956.9	\$547.9	\$273.9	\$274.0	\$309.5	\$154.5	\$155.1	\$22.5	\$22.3	\$0.2
Oklahoma-4	2,040	1,620	420	\$642.9	\$519.2	\$123.6	\$185.2	\$153.7	\$31.6	\$102.7	\$85.1	\$17.6	\$22.0	\$17.9	\$4.1
Oklahoma-5	7,451	1,342	6,109	\$2,248.3	\$426.9	\$1,821.4	\$820.1	\$165.5	\$654.6	\$448.8	\$94.5	\$354.3	\$0.5	\$0.5	\$-
Oregon-1	492	492	-	\$162.2	\$162.2	\$0.0	\$52.4	\$52.4	\$0.0	\$31.4	\$31.4	\$0.0	\$-	\$-	\$-
Oregon-2	206	206	-	\$58.7	\$58.7	\$0.0	\$16.5	\$16.5	\$0.0	\$9.6	\$9.6	\$0.0	\$127.6	\$15.3	\$112.3
Oregon-3	1,356	876	480	\$412.6	\$268.7	\$143.9	\$121.4	\$84.5	\$36.9	\$77.0	\$52.8	\$24.2	\$173.8	\$91.4	\$82.4
Oregon-4	1,091	1,076	15	\$328.3	\$324.3	\$4.0	\$98.3	\$97.5	\$0.8	\$57.6	\$57.1	\$0.5	\$56.3	\$9.4	\$46.9
Oregon-5	1,081	817	264	\$325.9	\$254.1	\$71.9	\$90.3	\$74.5	\$15.8	\$55.7	\$44.9	\$10.8	\$42.3	\$42.3	\$-
Pennsylvania-1	18	18	-	\$6.6	\$6.6	\$0.0	\$2.4	\$2.4	\$0.0	\$1.5	\$1.5	\$0.0	\$58.3	\$54.8	\$3.5
Pennsylvania-2	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$33.3	\$16.2	\$17.1
Pennsylvania-3	5,761	690	5,071	\$1,821.5	\$214.0	\$1,607.5	\$574.6	\$66.5	\$508.1	\$326.1	\$39.5	\$286.6	\$70.7	\$70.7	\$-
Pennsylvania-4	7,461	3,950	3,512	\$2,210.9	\$1,179.9	\$1,031.0	\$764.4	\$394.7	\$369.7	\$452.8	\$237.7	\$215.0	\$88.0	\$87.7	\$0.3
Pennsylvania-5	3,438	473	2,965	\$1,031.0	\$154.1	\$876.8	\$237.8	\$40.8	\$197.0	\$146.8	\$24.2	\$122.6	\$319.8	\$57.5	\$262.2
Pennsylvania-6	1,435	1,435	-	\$511.1	\$511.1	\$0.0	\$190.4	\$190.4	\$0.0	\$116.5	\$116.5	\$0.0	\$35.1	\$17.0	\$18.1
Pennsylvania-7	2,017	1,890	127	\$735.9	\$690.2	\$45.7	\$266.8	\$250.6	\$16.2	\$163.3	\$153.3	\$10.0	\$-	\$-	\$-
Pennsylvania-8	1,233	588	646	\$437.1	\$205.4	\$231.7	\$141.8	\$68.8	\$73.0	\$86.1	\$41.4	\$44.7	\$39.8	\$0.6	\$39.2
Pennsylvania-9	3,303	3,303	-	\$976.5	\$976.5	\$0.0	\$296.9	\$296.9	\$0.0	\$182.1	\$182.1	\$0.0	\$222.9	\$34.4	\$188.5
Pennsylvania-10	4,144	4,129	15	\$1,306.3	\$1,302.0	\$4.3	\$369.9	\$368.8	\$1.1	\$218.3	\$217.6	\$0.7	\$182.2	\$174.5	\$7.6
Pennsylvania-11	12,530	2,369	10,161	\$3,986.2	\$729.6	\$3,256.6	\$1,452.6	\$249.0	\$1,203.6	\$817.8	\$148.3	\$669.5	\$55.6	\$28.2	\$27.4
Pennsylvania-12	1,385	691	694	\$414.7	\$203.7	\$211.1	\$151.4	\$71.0	\$80.4	\$90.1	\$43.8	\$46.3	\$26.2	\$5.6	\$20.6
Pennsylvania-13	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Pennsylvania-14	1,364	22	1,342	\$544.8	\$8.2	\$536.6	\$202.4	\$3.1	\$199.3	\$114.4	\$1.9	\$112.5	\$-	\$-	\$-
Pennsylvania-15	8,152	1,328	6,824	\$2,551.1	\$401.3	\$2,149.8	\$990.7	\$148.6	\$842.2	\$583.7	\$90.9	\$492.8	\$-	\$-	\$-
Pennsylvania-16	7,052	6,741	311	\$2,087.0	\$1,998.3	\$88.7	\$785.5	\$752.6	\$32.9	\$477.0	\$456.1	\$20.9	\$82.8	\$0.7	\$82.1
Pennsylvania-17	2,270	1,162	1,108	\$685.4	\$345.4	\$340.0	\$233.8	\$115.8	\$118.0	\$137.3	\$68.8	\$68.5	\$5.4	\$4.8	\$0.6
Pennsylvania-18	961	202	759	\$307.5	\$63.1	\$244.3	\$117.8	\$24.5	\$93.3	\$66.5	\$14.6	\$51.9	\$17.8	\$6.7	\$11.1
Rhode Island-1	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$104.2	\$76.3	\$27.9
Rhode Island-2	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$125.9	\$64.3	\$61.7
South Carolina-1	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$41.4	\$34.3	\$7.1
South Carolina-2	3,236	28	3,208	\$1,196.2	\$9.4	\$1,186.8	\$395.1	\$2.7	\$392.4	\$166.8	\$1.4	\$165.3	\$165.0	\$34.6	\$130.4
South Carolina-3	264	233	31	\$89.7	\$79.5	\$10.2	\$20.3	\$17.8	\$2.6	\$10.5	\$9.3	\$1.2	\$11.9	\$11.9	\$-

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South Carolina-4	71	44	27	\$23.6	\$14.6	\$8.9	\$6.7	\$4.2	\$2.5	\$3.6	\$2.3	\$1.2	\$1.5	\$1.0	\$0.5
South Carolina-5	52	52	-	\$16.3	\$16.3	\$0.0	\$4.3	\$4.3	\$0.0	\$2.3	\$2.3	\$0.0	\$1.1	\$1.1	\$-
South Carolina-6	4,433	183	4,250	\$1,419.6	\$56.8	\$1,362.9	\$450.8	\$15.5	\$435.3	\$210.7	\$8.7	\$202.0	\$91.2	\$3.7	\$87.5
South Carolina-7	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
South Dakota-1	8,537	4,416	4,122	\$2,665.1	\$1,408.3	\$1,256.8	\$673.1	\$406.6	\$266.4	\$468.2	\$259.4	\$208.8	\$158.3	\$91.8	\$66.4
Tennessee-1	82	82	-	\$25.0	\$25.0	\$0.0	\$7.7	\$7.7	\$0.0	\$4.1	\$4.1	\$0.0	\$1.7	\$1.7	\$-
Tennessee-2	69	69	-	\$20.0	\$20.0	\$0.0	\$6.7	\$6.7	\$0.0	\$3.8	\$3.8	\$0.0	\$1.6	\$1.6	\$-
Tennessee-3	754	584	170	\$234.1	\$178.3	\$55.8	\$65.0	\$51.4	\$13.6	\$38.0	\$29.6	\$8.4	\$14.3	\$11.4	\$2.9
Tennessee-4	112	111	-	\$36.9	\$36.7	\$0.2	\$8.1	\$8.0	\$0.1	\$4.7	\$4.7	\$0.0	\$1.9	\$1.9	\$0.0
Tennessee-5	193	164	29	\$68.4	\$54.9	\$13.4	\$24.7	\$19.9	\$4.8	\$14.2	\$11.7	\$2.5	\$5.3	\$4.3	\$0.9
Tennessee-6	6,101	403	5,698	\$1,899.7	\$106.4	\$1,793.3	\$753.8	\$27.7	\$726.1	\$352.2	\$15.9	\$336.4	\$145.6	\$7.0	\$138.6
Tennessee-7	130	88	42	\$36.2	\$23.2	\$12.9	\$12.6	\$8.0	\$4.5	\$7.4	\$5.1	\$2.2	\$2.6	\$1.7	\$0.9
Tennessee-8	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Tennessee-9	374	213	161	\$171.6	\$74.4	\$97.3	\$76.9	\$27.1	\$49.7	\$36.6	\$15.7	\$20.9	\$13.2	\$5.4	\$7.8
Texas-1	13,578	12,311	1,267	\$3,571.4	\$3,320.5	\$250.9	\$1,249.9	\$1,176.9	\$73.0	\$709.3	\$663.0	\$46.2	\$271.5	\$254.5	\$17.0
Texas-2	283	240	43	\$114.8	\$97.1	\$17.8	\$73.3	\$64.3	\$9.1	\$38.9	\$34.4	\$4.5	\$12.9	\$11.2	\$1.7
Texas-3	2,945	1,709	1,236	\$845.7	\$530.0	\$315.7	\$304.9	\$203.7	\$101.1	\$181.8	\$115.1	\$66.7	\$66.6	\$43.3	\$23.4
Texas-4	5,489	3,806	1,682	\$1,482.6	\$1,063.0	\$419.6	\$513.7	\$390.9	\$122.8	\$278.2	\$211.4	\$66.9	\$111.1	\$83.5	\$27.5
Texas-5	263	263	-	\$80.8	\$80.8	\$0.0	\$37.5	\$37.5	\$0.0	\$20.5	\$20.5	\$0.0	\$7.7	\$7.7	\$-
Texas-6	1	1	-	\$0.4	\$0.4	\$0.0	\$0.2	\$0.2	\$0.0	\$0.1	\$0.1	\$0.0	\$0.0	\$0.0	\$-
Texas-7	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Texas-8	173	173	-	\$55.3	\$55.3	\$0.0	\$22.8	\$22.8	\$0.0	\$12.8	\$12.8	\$0.0	\$4.9	\$4.9	\$-
Texas-9	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Texas-10	1,489	1,459	30	\$388.3	\$382.6	\$5.8	\$158.0	\$156.1	\$1.9	\$87.4	\$86.3	\$1.1	\$34.2	\$33.7	\$0.4
Texas-11	5,740	5,101	639	\$1,387.0	\$1,271.7	\$115.2	\$527.2	\$486.5	\$40.8	\$291.5	\$269.3	\$22.2	\$114.0	\$105.1	\$8.8
Texas-12	1,386	1,379	8	\$391.8	\$390.0	\$1.7	\$153.0	\$152.4	\$0.6	\$87.1	\$86.8	\$0.4	\$32.5	\$32.4	\$0.1
Texas-13	9,564	5,636	3,928	\$2,817.6	\$1,689.7	\$1,128.0	\$968.4	\$574.3	\$394.0	\$561.0	\$328.8	\$232.1	\$213.0	\$128.3	\$84.7
Texas-14	344	344	-	\$113.5	\$113.4	\$0.1	\$31.8	\$31.7	\$0.0	\$17.1	\$17.0	\$0.0	\$6.4	\$6.4	\$0.0
Texas-15	1,546	1,056	490	\$382.9	\$272.7	\$110.2	\$123.1	\$96.1	\$27.0	\$69.9	\$54.0	\$15.9	\$28.6	\$21.8	\$6.8
Texas-16	368	-	368	\$111.2	\$0.0	\$111.2	\$33.8	\$0.0	\$33.8	\$17.2	\$0.0	\$17.2	\$7.3	\$-	\$7.3
Texas-17	1,604	1,425	179	\$423.6	\$380.7	\$42.9	\$152.7	\$140.0	\$12.7	\$84.5	\$76.9	\$7.6	\$32.8	\$29.9	\$2.9
Texas-18	475	433	41	\$206.7	\$188.9	\$17.8	\$132.4	\$123.5	\$8.9	\$69.9	\$65.5	\$4.4	\$19.1	\$17.7	\$1.4
Texas-19	9,797	5,480	4,317	\$2,737.6	\$1,553.4	\$1,184.2	\$998.5	\$573.8	\$424.6	\$558.9	\$320.0	\$238.9	\$218.9	\$127.3	\$91.7
Texas-20	460	460	-	\$143.1	\$143.1	\$0.0	\$68.8	\$68.8	\$0.0	\$37.5	\$37.5	\$0.0	\$12.8	\$12.8	\$-
Texas-21	3,084	3,041	43	\$795.3	\$787.3	\$8.0	\$300.1	\$297.4	\$2.7	\$169.3	\$167.7	\$1.5	\$66.8	\$66.2	\$0.6
Texas-22	106	106	-	\$35.1	\$35.1	\$0.0	\$11.5	\$11.5	\$0.0	\$6.3	\$6.3	\$0.0	\$2.6	\$2.6	\$-
Texas-23	1,054	1,054	-	\$320.4	\$320.4	\$0.0	\$128.7	\$128.7	\$0.0	\$69.8	\$69.8	\$0.0	\$26.7	\$26.7	\$-
Texas-24	139	36	102	\$50.1	\$13.1	\$37.0	\$18.3	\$6.0	\$12.4	\$10.7	\$3.3	\$7.3	\$3.4	\$1.1	\$2.4
Texas-25	1,168	1,146	21	\$319.4	\$314.4	\$5.0	\$127.2	\$125.6	\$1.6	\$70.6	\$69.7	\$0.9	\$27.8	\$27.5	\$0.4

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Texas-26	1,107	225	882	\$240.1	\$60.5	\$179.6	\$84.6	\$23.7	\$60.9	\$48.6	\$13.8	\$34.7	\$18.4	\$5.1	\$13.3
Texas-27	1,100	1,100	-	\$289.2	\$289.2	\$0.0	\$109.3	\$109.3	\$0.0	\$59.6	\$59.6	\$0.0	\$22.2	\$22.2	\$-
Texas-28	795	761	34	\$229.1	\$220.1	\$8.9	\$97.5	\$95.2	\$2.2	\$51.7	\$50.4	\$1.3	\$19.9	\$19.4	\$0.5
Texas-29	215	215	-	\$95.2	\$95.2	\$0.0	\$60.3	\$60.3	\$0.0	\$31.5	\$31.5	\$0.0	\$8.0	\$8.0	\$-
Texas-30	305	261	44	\$106.4	\$92.6	\$13.9	\$46.5	\$42.2	\$4.3	\$27.1	\$23.9	\$3.2	\$8.7	\$7.8	\$0.9
Texas-31	1,311	558	753	\$403.8	\$170.9	\$232.9	\$144.2	\$71.3	\$72.9	\$78.8	\$38.8	\$40.0	\$29.2	\$14.0	\$15.2
Texas-32	187	-	187	\$62.6	\$0.0	\$62.6	\$19.0	\$0.0	\$19.0	\$13.2	\$0.0	\$13.2	\$4.1	\$-	\$4.1
Texas-33	327	327	-	\$119.3	\$119.3	\$0.0	\$49.9	\$49.9	\$0.0	\$28.0	\$28.0	\$0.0	\$8.3	\$8.3	\$-
Texas-34	1,737	1,666	71	\$431.2	\$416.9	\$14.3	\$152.8	\$149.3	\$3.5	\$83.2	\$81.1	\$2.1	\$33.5	\$32.7	\$0.9
Texas-35	1,060	1,048	12	\$308.9	\$305.9	\$3.0	\$133.7	\$132.7	\$1.0	\$75.0	\$74.4	\$0.6	\$25.0	\$24.8	\$0.2
Texas-36	300	79	221	\$72.7	\$24.5	\$48.2	\$23.2	\$7.7	\$15.5	\$12.3	\$4.3	\$8.0	\$4.1	\$1.4	\$2.7
Utah-1	4,179	1,373	2,806	\$1,198.7	\$438.0	\$760.7	\$347.7	\$107.0	\$240.7	\$189.2	\$61.6	\$127.6	\$72.9	\$24.9	\$48.0
Utah-2	2,501	2,501	-	\$751.6	\$751.6	\$0.0	\$227.4	\$227.4	\$0.0	\$132.9	\$132.9	\$0.0	\$52.4	\$52.4	\$-
Utah-3	4,099	163	3,936	\$1,283.1	\$51.3	\$1,231.7	\$440.5	\$15.7	\$424.9	\$222.4	\$9.9	\$212.5	\$91.6	\$3.8	\$87.8
Utah-4	6,079	591	5,487	\$1,757.1	\$180.4	\$1,576.7	\$601.7	\$57.7	\$544.0	\$346.6	\$35.3	\$311.4	\$129.6	\$13.8	\$115.8
Vermont-1	4,301	3,990	310	\$1,519.5	\$1,418.0	\$101.5	\$363.9	\$349.0	\$14.9	\$241.5	\$230.4	\$11.1	\$96.7	\$92.3	\$4.4
Virginia-1	104	81	23	\$40.9	\$29.9	\$11.0	\$13.2	\$8.5	\$4.8	\$5.6	\$4.0	\$1.5	\$3.0	\$2.1	\$0.9
Virginia-2	106	106	-	\$41.0	\$41.0	\$0.0	\$12.9	\$12.9	\$0.0	\$6.4	\$6.4	\$0.0	\$3.0	\$3.0	\$-
Virginia-3	1,299	780	519	\$593.0	\$321.3	\$271.6	\$232.3	\$111.2	\$121.1	\$96.6	\$53.7	\$42.8	\$43.5	\$22.5	\$21.0
Virginia-4	1,512	780	732	\$593.3	\$274.6	\$318.8	\$222.6	\$82.9	\$139.6	\$92.6	\$42.4	\$50.2	\$48.1	\$20.7	\$27.4
Virginia-5	3,385	857	2,528	\$1,189.7	\$286.0	\$903.8	\$456.5	\$84.0	\$372.5	\$175.1	\$41.9	\$133.2	\$90.2	\$20.3	\$69.9
Virginia-6	6,016	4,447	1,569	\$2,003.8	\$1,424.1	\$579.7	\$716.0	\$448.6	\$267.4	\$333.2	\$234.6	\$98.6	\$160.3	\$110.0	\$50.3
Virginia-7	176	176	-	\$63.8	\$63.8	\$0.0	\$21.8	\$21.8	\$0.0	\$10.9	\$10.9	\$0.0	\$5.0	\$5.0	\$-
Virginia-8	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Virginia-9	478	478	-	\$166.0	\$166.0	\$0.0	\$45.3	\$45.3	\$0.0	\$21.8	\$21.8	\$0.0	\$11.0	\$11.0	\$-
Virginia-10	274	249	25	\$112.5	\$101.7	\$10.8	\$34.4	\$29.7	\$4.7	\$17.2	\$15.5	\$1.7	\$8.1	\$7.2	\$0.9
Virginia-11	15	-	15	\$9.1	\$0.0	\$9.1	\$4.1	\$0.0	\$4.1	\$1.4	\$0.0	\$1.4	\$0.7	\$-	\$0.7
Washington-1	3,061	2,370	691	\$1,107.6	\$863.7	\$243.8	\$398.7	\$323.9	\$74.7	\$222.4	\$180.5	\$41.9	\$89.8	\$72.1	\$17.7
Washington-2	1,330	670	659	\$483.6	\$251.0	\$232.6	\$138.1	\$75.5	\$62.6	\$72.1	\$40.6	\$31.5	\$29.8	\$16.1	\$13.7
Washington-3	1,697	884	813	\$491.4	\$267.7	\$223.7	\$151.9	\$87.9	\$64.0	\$85.8	\$49.5	\$36.3	\$38.0	\$21.6	\$16.4
Washington-4	3,761	3,761	-	\$1,204.9	\$1,204.9	\$0.0	\$361.1	\$361.1	\$0.0	\$205.2	\$205.2	\$0.0	\$87.5	\$87.5	\$-
Washington-5	1,535	1,370	165	\$413.8	\$376.0	\$37.8	\$145.4	\$135.9	\$9.5	\$81.4	\$75.0	\$6.4	\$35.9	\$33.1	\$2.8
Washington-6	967	911	56	\$313.2	\$297.4	\$15.8	\$101.1	\$97.3	\$3.8	\$55.3	\$53.0	\$2.3	\$23.7	\$22.6	\$1.0
Washington-7	781	116	664	\$292.8	\$43.5	\$249.3	\$96.6	\$16.0	\$80.6	\$55.5	\$9.5	\$46.0	\$22.8	\$3.6	\$19.1
Washington-8	363	304	59	\$115.8	\$99.6	\$16.2	\$37.4	\$32.2	\$5.2	\$21.7	\$18.5	\$3.1	\$9.1	\$7.8	\$1.3
Washington-9	1,189	475	715	\$413.4	\$171.2	\$242.3	\$142.9	\$64.8	\$78.1	\$84.9	\$37.6	\$47.3	\$30.5	\$13.3	\$17.1
Washington-10	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
West Virginia-1	151	-	151	\$53.1	\$0.0	\$53.1	\$10.9	\$0.0	\$10.9	\$7.6	\$0.0	\$7.6	\$2.7	\$-	\$2.7
West Virginia-2	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-

<u>Congressional District</u>	<u>Total Jobs</u>	<u>AF: Jobs</u>	<u>PF: Jobs</u>	<u>Total Sales (\$M)</u>	<u>AF: Total Sales(\$M)</u>	<u>PF: Total Sales (\$M)</u>	<u>Value-Added (\$M)</u>	<u>AF: Value-Added (\$M)</u>	<u>PF: Value-Added (\$M)</u>	<u>Labor Income (\$M)</u>	<u>AF: Labor Income (\$)</u>	<u>PF: Labor Income (\$M)</u>	<u>Taxes (\$M)</u>	<u>AF: Taxes (\$M)</u>	<u>PF: Taxes (\$M)</u>
West Virginia-3	-	-	-	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$-	\$-	\$-
Wisconsin-1	1,110	1,031	79	\$359.5	\$333.7	\$25.8	\$122.4	\$114.5	\$7.9	\$66.9	\$62.7	\$4.2	\$27.3	\$25.5	\$1.8
Wisconsin-2	3,571	3,358	213	\$1,098.5	\$1,038.7	\$59.8	\$375.8	\$354.5	\$21.3	\$210.6	\$198.6	\$12.0	\$81.5	\$76.8	\$4.6
Wisconsin-3	4,568	2,504	2,064	\$1,213.6	\$706.2	\$507.4	\$379.8	\$226.7	\$153.1	\$204.7	\$122.4	\$82.3	\$83.5	\$49.7	\$33.7
Wisconsin-4	2,731	112	2,620	\$1,046.2	\$42.2	\$1,004.0	\$321.2	\$15.1	\$306.1	\$175.5	\$8.7	\$166.8	\$63.4	\$2.9	\$60.5
Wisconsin-5	6,007	1,571	4,435	\$1,895.6	\$499.4	\$1,396.2	\$698.4	\$176.6	\$521.8	\$356.6	\$97.2	\$259.5	\$150.4	\$38.9	\$111.4
Wisconsin-6	7,830	4,575	3,255	\$2,305.1	\$1,413.0	\$892.1	\$789.1	\$472.0	\$317.2	\$421.2	\$254.2	\$167.0	\$168.2	\$100.9	\$67.3
Wisconsin-7	3,594	2,594	1,000	\$959.5	\$724.4	\$235.1	\$283.4	\$217.0	\$66.4	\$154.8	\$117.6	\$37.2	\$64.7	\$49.4	\$15.2
Wisconsin-8	5,898	5,137	761	\$1,849.1	\$1,620.7	\$228.5	\$617.0	\$544.9	\$72.1	\$335.1	\$296.5	\$38.7	\$137.1	\$120.9	\$16.2
Wyoming-1	117	117	-	\$46.7	\$46.7	\$0.0	\$9.7	\$9.7	\$0.0	\$5.6	\$5.6	\$0.0	\$2.6	\$2.6	\$-