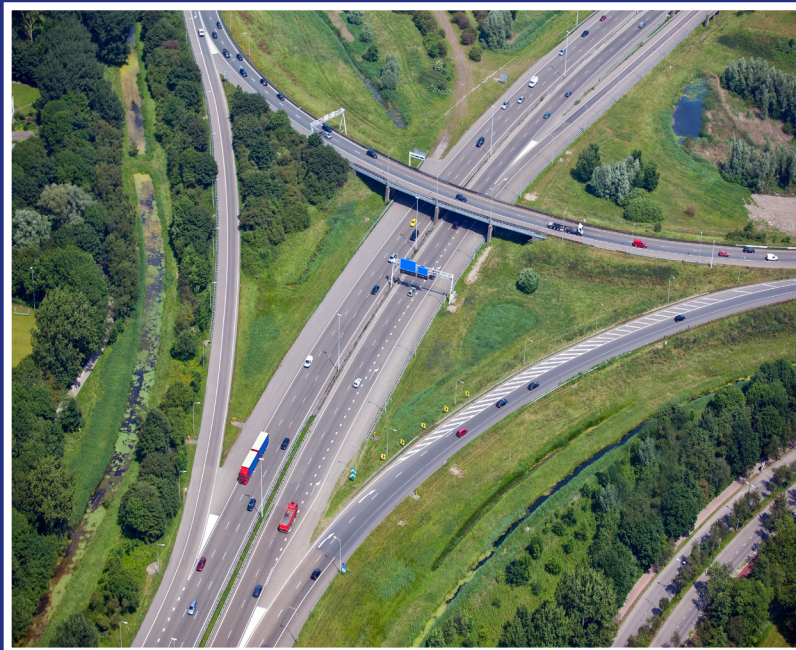


# JOINT TRANSPORTATION RESEARCH PROGRAM

INDIANA DEPARTMENT OF TRANSPORTATION  
AND PURDUE UNIVERSITY



## Last Mile Delivery and Route Planning for Freight



**Ananth V. Iyer, Konstantina Gkritza, Steven R. Dunlop,  
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## JOINT TRANSPORTATION RESEARCH PROGRAM

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## EXECUTIVE SUMMARY

### Introduction

A robust network of transportation is necessary to support the existing and flourishing economic activities in Indiana. Congestion costs an individual approximately \$700 a year. One of the bottlenecks for congestion is at highway exits. While Indiana has a good road infrastructure to support current traffic and prevent congestion—judging by the growth rate of economic activities—the existing capacity will be saturated in the coming years.

This project aims to determine the counties and ramps that will need additional capacity to support future economic growth based on different probable scenarios. This study helps us understand the freight traffic growth on the ramps, and a scenario-based planning tool was developed to identify potential areas that require additional capacity, while optimizing the cost associated with construction, congestion delays, and diversion of traffic flow to other less congested ramps. INDOT (Indiana Department of Transportation) will be able to use this tool to take advanced action on these forecasts in counties that face potential congestion issues.

### Findings

- Many states, like Indiana have a long-term traffic management plan to cater to the growing need of the road network. While states like California predict economic activities to plan for traffic capacity, states like Ohio incorporate different scenarios for the traffic capacity planning process.
- Counties in Indiana can be categorized into six different clusters based on the relationship between their industry

GDP composition and their aggregated freight traffic volume on highway ramps. Construction, warehousing and transportation, and manufacturing turned out to be strong drivers of freight volume flow for most counties.

- Counties like Allen, Elkhart, St. Joseph, Hamilton, Floyd, Harrison, Tippecanoe, Johnson, Monroe, and Hendricks are some examples of counties which will face high congestion on highway ramps, based on their predicted growth in freight from increased industrial activity across all five scenarios.
- Using the optimization tool, analysis of adjacent counties like Elkhart and St. Joseph resulted in recommendations to increase the capacity of all six shared ramps that cater to the demands of both the counties to reduce congestion. Between Floyd and Harrison, two out of the five shared ramps were identified as locations where capacity increase could lead to congestion reduction by optimizing the total costs.

### Implementation

A model was built to predict the increase in freight flow based on the industry growth for five probable scenarios in all Indiana counties. The mixed integer programming tool for the capacity planning of the ramps can be used to plan for future road construction projects by INDOT and help in identifying critical areas in Indiana which need immediate attention. Based on the additional capacity requirement, the tool is capable of formulating the total capital cost of expanding the capacities and calculate various tradeoffs. The tool also allows the user to plan for various scenarios and includes modifiable inputs to set congestion and competitiveness parameters. This can help in finalizing the budget required to carry forward the planned construction projects, based on the tolerance of congestion allowed.

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## 1. INTRODUCTION

The report focuses on last mile planning in Indiana and details the activities conducted during the 13-month study from November 2019 to November 2020. The goal was to model the economic growth in manufacturing facilities, warehousing, and wholesale trade in Indiana, and estimate its impact on freight traffic growth. This research uses a scenario-based capacity planning approach to identify disparity in the demand and supply for highway infrastructure. A series of statistical and optimization models suggest capacity additions to facilitate successful last mile delivery, thus enabling the growth of e-commerce businesses and other industries.

The last mile logistics refers to the final step of the delivery process from a distribution center or a facility to the end-user. Last mile delivery usually ranges from a few blocks to 50 or 100 miles. It generally involves the delivery of packages and posts to end users or consumers. This delivery requires freight vehicles to travel between arterial corridors (highways) and their destination points often utilizing the off and on ramps extensively. According to McKinsey and Company, the e-commerce market could roughly double in value in the next 10 years (McKinsey & Company, 2019). Last mile logistics has been identified as the next touchpoint for growth and profitability for all industries involved in the e-commerce market. Data suggests that customers are willing to pay more to get their products within hours of placing an order. Thus, competition is causing companies to compete in delivery, using the most cost-efficient and quickest mode possible. While companies like Amazon have perfected the art of last mile logistics, many other small and medium ranged companies are trying to work through its dynamics. For Indiana to attract more industries and warehouses to occupy its available green fields, it is essential that its highway infrastructure has enough capacity to manage the potential increase in traffic volume to facilitate smooth and congestion-free movement of last mile deliveries.

During Phase 1 of the project, we gathered and analyzed data on socio-economic parameters for Indiana

and identified parameters that had the largest impact on freight traffic at the county level. We summarize capacity planning efforts in three other US states, i.e., California, Ohio, and Wasatch Front Regional Council (WFRC)-Utah for benchmarking.

We then used quantitative data from five shared socio-economic pathways (SSPs) to generate freight volume for possible future scenarios. These scenarios represent different geo-political and regulatory possible outcomes and track their impact on world GDP evolution. Starting with this information, we scaled them to individual county level data.

During Phase 2, industry clusters for construction, retail, manufacturing, warehousing, and wholesale trade in Indiana were mapped using distance matrix and the centroids of all these clusters were also identified. Additionally, all the counties in Indiana were categorized into different clusters for regression modeling based on their plots for aggregated GDP and aggregated freight volume. We then used available traffic data at ramp level, and the associated mix of freight and passenger traffic at ramps, to link GDP to county level freight flows. We also included the mix of industry within each county, and the associated industry GDP to freight multiplier to get county level freight linked to GDP. Truck traffic volume is regressed on industrial GDP to capture the growth of freight in all five scenarios until the end of this century.

During Phase 3, data pertaining to capacity of existing highway ramp infrastructure for all the counties in Indiana was collected through Highway Performance Monitoring System (HPMS) database (Policy and Governmental Affairs, 2021). The future growth in freight traffic can be compared with the existing capacity of a ramp utilized for last mile delivery to identify the bottlenecks and areas of improvement. Optimization models for single county and multi-county were created for a planner to identify which ramps should see capacity addition if the congestion goes beyond a target level.

The project evolution across phases is shown in the Gantt chart in Figure 1.1.

Tasks	Status	Phase 1	Phase 2	Phase 3
Benchmarking other highway planning models	100%	█		
Freight demand and scenario data collection	100%	█		
Distance matrix and industry clustering	100%	█	█	
County clustering & regression modeling	100%		█	
Ramp capacity data processing	100%		█	█
Optimization for 1-county and 2-county cases	100%			█

Figure 1.1. Project Gantt chart.

TABLE 2.1  
Project Activities

Task	Activities
1	Benchmarking for capacity planning methodologies
2	Scenario identification and data processing for baseline and RCP 2.6
3	Freight data collection, aggregation of DVMT on ramps for counties
4	County clustering, regression analysis and future freight volume prediction
5	Supply data consisting of capacity values for existing highway ramp infrastructure
6	Optimization models for single-county and multi-county scenarios

## 2. ACTIVITIES

The team, consisting of Purdue University faculty, staff, and graduate students, created a detailed project plan and conducted research associated with activities in the project plan. The activities consisted of researching the experience of other DOTs and agencies, reports on demand capacity growth planning by INDOT, other government organizations and public data sources, and using published research to guide the development of models using data for Indiana. The activities can be defined in Table 2.1.

## 3. BENCHMARKING

Before starting to build our model and tool, we researched a few of the existing road infrastructure construction models adopted by different states across the nation to cater to the increasing demand for better road infrastructure to support the increasing economic activities. We studied the models used by the California Department of Transportation (Caltrans), Ohio Department of Transportation (ODOT), Wasatch Front Regional Council (WFRC)-Utah, and a study by Milken Institute. California’s transportation plan is known to have resulted in increased economic activity and development of suburbs. Ohio’s 2045 long term plan (Access Ohio 2045) used a few “what if” scenarios based on different future scenarios with different probabilities (ODOT, 2020). Ohio’s model helped us not only gain a better understanding of the traffic situation in the Midwest but also helped in building an understanding of using scenarios while planning capacity. A study by Milken Institute on the California traffic conditions (see Section 3.1.1) describes that the cost of congestion is maximized in populated urban areas where there is a high density of economic activities.

### 3.1 Caltrans’ Transportation Model

We chose California because California developed one of the largest and most sophisticated road networks on the planet. That led to the increase in the economic activities and development of the cities and suburbs. But since 1970, the economy is growing faster than the road network and Caltrans is working hard on keeping pace with the booming economy which leads to the congestion. In 2005, for example, Californians in the

state’s nine largest urban areas lost 871 million hours of their time and burned 673.5 million gallons of fuel sitting in traffic.

The California Department of Transportation’s (Caltrans) California Transportation Plan 2040 (CTP 2040) is made to cater to the increasing demand of the traffic infrastructure by the developing economy. The CTP 2040 is made to optimize the transportation capacity and the plan considers the following points while planning the capacity.

- Travel time and congestion by improving the freight efficiency.
- Improving the communities through sustainability.
- Increasing safety and security on highways and roads.

Caltrans’ statewide network of highways ranks 48th in terms of the highway conditions and potholes and bad conditioned roads costs \$700 per household per annum (refer to 3.1.1 for more details), and the department of transportation is planning to use the “first-fix” approach, which is to maintain and preserve the efficient highways (Caltrans, 2016).

Caltrans utilizes IMPLAN, an input-output model for performing an economic impact analysis. The inputs for the model use socio-political and industry-based variables to predict the economic activity and hence the traffic.

The following are the socio-political and industry-based variables that are considered (Caltrans, 2021).

- Socio-political variables
  - Population (people)
  - Households (thousands)
  - Average household income
  - New homes permitted (homes)
  - Registered vehicles (thousands)
  - Personal income (billions)
  - Taxable retail sales (billions)
  - Local sales tax (millions)
  - Real industrial production (billions of 2018 dollars)
  - Real per capita income (2018 dollars)
  - School enrollment (thousands)
  - Births (people)
  - Deaths (people)
  - Consumer price index
- Industry related variables
  - Total wage and salary
  - Farm jobs and establishments

- Construction jobs and establishments
- Manufacturing jobs and establishments
- Transportation jobs and establishments
- Utilities jobs and establishments
- Wholesale and retail trade jobs and establishments
- Financial activities jobs and establishments
- Professional services jobs and establishments
- Information jobs and establishments
- Health and education jobs and establishments
- Leisure jobs and establishments
- Government jobs and establishments

We used these variables to find the important variables that can help explain the variability in vehicle miles traveled for Indiana’s ramps. After performing a stepwise regression, we came up with a set of variables that were finally used to predict the vehicular miles travelled by trucks on the ramps.

### 3.1.1 Milken Institute Traffic Insights

Milken Institute, an independent consulting organization, performed a study to analyze the traffic and congestion in California. They analyzed the congestion cost and tried to find the factor that impacts the congestion.

Over the years, California has observed a huge spike in vehicle miles traveled (VMT) compared to capacity of roadway infrastructure, lane miles, as shown in Figure 3.1. For instance, the state observed 214.9 billion VMT in 1986 which increased by 52.4% to 327.4 billion VMT. While road infrastructure decreased by 25.5% when measured in terms of per capita lane-miles. This suggests an increase in congestion observed by commuters in California.

The Milken Institute considered congestion costs, lane-miles, and daily vehicle miles traveled (DVMT) of 85 areas including the urban areas as mentioned in Figure 3.2, in a regression model.

Figure 3.3 is an analysis of the nine urban areas that exhibit a correlation between population and annual congestion cost per traveler. The institute concluded that “very large” US urban areas’ travelers bear a \$1,014 in congestion costs, while the average is \$701.

### 3.2 Ohio Department of Transportation (ODOT)

We studied the Ohio 2045 long-range transportation plan (ODOT, 2020) to understand Ohio traffic management. Ohio’s model inspired our direction of what if

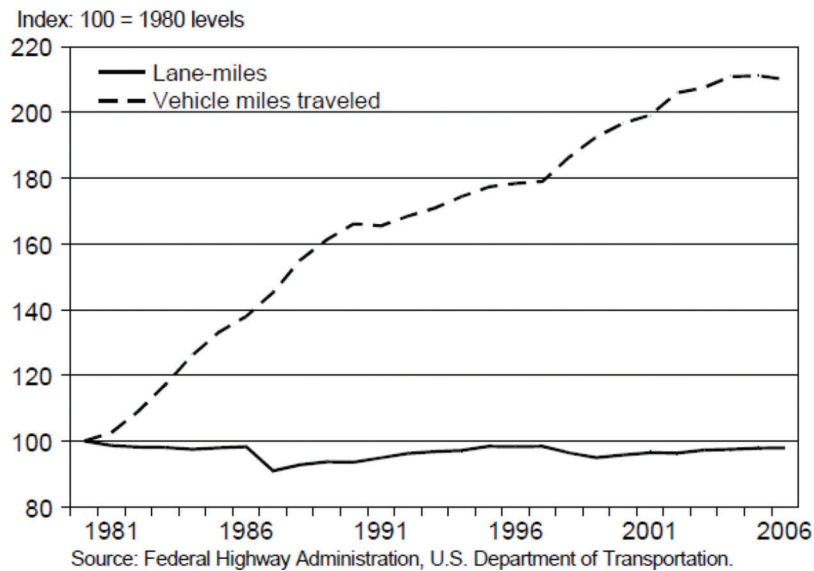


Figure 3.1 Lane-miles vs. travel demand for California (Milken Institute, 2014).

Urban area	Annual delay per traveler (hours)	Travel delay (million hours)	Annual congestion cost per peak traveler (US\$)	Congestion cost (US\$ billions)
Los Angeles-Long Beach-Santa Ana	72	491	1,374	9.3
San Francisco-Oakland	60	130	1,121	2.4
San Diego	57	91	1,065	1.7
Riverside-San Bernardino	49	48	961	1.0
San Jose	54	50	973	0.9
Sacramento	41	40	755	0.7
Oxnard-Ventura	39	12	727	0.2
Fresno	20	7	381	0.1
Bakersfield	14	3	259	0.1
Total for nine CA urban areas	61	871	1,148	16.5
Total for 437 U.S. urban areas	38	4,189	710	78.1

Source: 2007 Urban Mobility Report, Texas Transportation Institute.

Figure 3.2 Congestion cost (Milken Institute, 2014).

Urban area	Population category	Population (1000s)	Peak-period travelers (1000s)	Daily vehicle miles traveled* (1000s)	Lane-miles*	Annual congestion cost per peak traveler (US\$)
Bakersfield	Small	470	256	6,995	1,275	259
Fresno	Medium	615	334	10,335	1,705	381
Los Angeles-Long Beach-Santa Ana	Very Large	12,540	6,784	266,000	26,625	1,374
Oxnard-Ventura	Medium	580	315	11,455	1,380	727
Riverside-San Bernardino	Large	1,800	994	36,985	3,795	961
Sacramento	Large	1,750	966	29,720	3,130	755
San Diego	Large	2,905	1,604	61,550	5,365	1,065
San Francisco-Oakland	Very Large	4,140	2,153	81,100	7,715	1,121
San Jose	Large	1,675	925	33,820	3,410	973
<b>Total</b>		<b>26,475</b>	<b>14,331</b>	<b>537,960</b>	<b>54,400</b>	<b>1,148</b>

Source: 2007 Urban Mobility Report, Texas Transportation Institute.  
 \*Includes both for freeways and arterial streets.

Figure 3.3 Congestion cost per peak traveler (Milken Institute, 2014).

scenarios and helped us understand the trends in the traffic on highways. ODOT’s model was based on the population growth and economic growth factors.

Ohio’s statewide planning maintains inventory of transportation modes and gaps and modelling is done based on the forecasts of the traffic by considering the socio-economic parameters that explain the variability in the vehicular miles travelled.

### 3.2.1 Traffic Planning

Transportation Systems Management and Operations (TSMO) is a subset within Ohio DOT that helps in the capacity planning, design, and safety of the multimodal transportation system.

It was identified that congestion and unreliable travel is due to events such as crashes, and disruptions, such as bad weather. TSMO helps to target the causes of these through innovative solutions (FHWA, 2018b).

Figure 3.4 represents the process flow, designed with TSMO, which is followed by ODOT for the capacity planning to improve traffic congestion and safety.

The operators collect data for the bottlenecks for traffic which is used by the planners to meet the objectives of mobility and safety. States and Metropolitan Planning Organizations (MPOs) can use this to develop more specific objectives that drive the state, metropolitan, corridor, and subarea planning and operations. MPOs can identify unreliable roadway segments and the TSMO strategies to be included in long range plans, short-term corridor plans, and Transportation Improvement Programs (FHWA, 2018b).

*Software:* ODOT utilizes travel demand models to predict the traffic flows for long time ranges. These models help in identifying any deficiencies in the present transportation system that can cause a bigger problem in the future and it also evaluates different transportation solutions. There are a few such software like QRSII, Cube voyager, and TransCAD (ODOT, 2020).

*Variables:* The traffic forecasts are based on the forecasted land use, demographics, and regional traffic patterns. Inputs to the model include socio-political variables (ODOT, 2020).

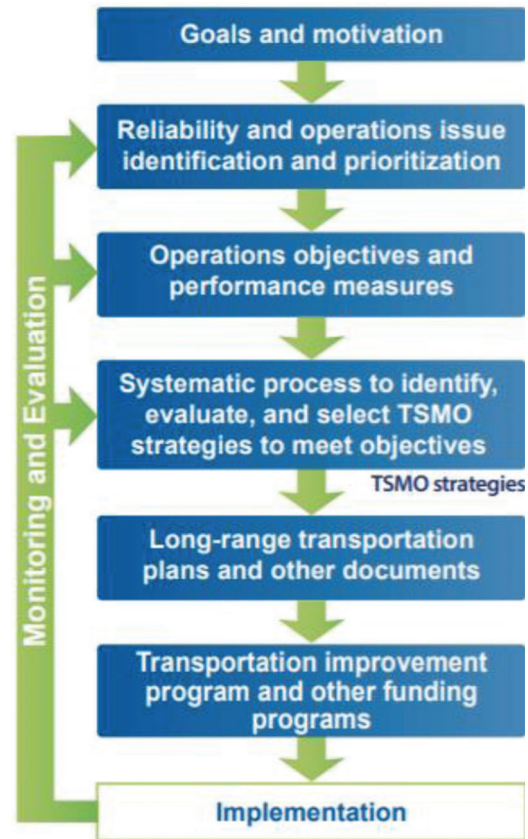


Figure 3.4 Approach to planning for operations (FHWA, 2018b).

- Population
- Employment
- Households
- Traffic rates

*Scenarios:* For the long-term traffic capacity planning, traffic forecasting and modelling were based on four possible futures (scenarios). Population, economy, development, and technology are the factors identified that drive these possible futures. The scenarios are as follows (ODOT, 2020).

*Current Trends:* A future where Ohio experiences modest growth and incremental change as it has in the

past. Most Ohio residents, visitors and businesses still rely on vehicles and roads to travel and ship products; however, there is more need for on-demand and short distance transportation.

*Innovation:* A future where technology changes are widespread, resulting in more transportation options for Ohio residents, visitors, and businesses. High-speed communication and a more connected network allow people and goods to move efficiently and seamlessly and at different times of the day.

*Global Markets:* A future where stronger global commerce results in more goods moving by truck, rail, water and air via Ohio, other states or nations. A wide range of diverse, specialized products and services are available to more Ohioans.

*Ohio Renaissance:* A future where Ohio’s population and economic growth are higher than previous trends, reflecting increasing attractiveness of Ohio as a place to live, work and do business. Ohio’s assets and technology changes strengthen and support more demand for transportation options and services to more destinations.

### 3.3 Wasatch Front Regional Council (WFRC)-UTAH

Wasatch Front Regional Council (WFRC) is an Association of Governments comprised of elected officials from Box Elder, Davis, Morgan, Salt Lake, Tooele, and Weber counties in Utah (Wasatch Front Regional Council, n.d.a). WFR’s mission states “The Wasatch Front Regional Council builds consensus and enhances quality of life by developing and implementing visions and plans for a well-functioning multi-modal transportation system, livable communities, a strong economy, and a healthy environment” (Wasatch Front Regional Council, n.d.b). With the current increase in population and number of jobs in the state over the past 6 years, the WFRC prepared Wasatch Choice 2050 Vision—the region’s shared blueprint for

regional transportation, local land use, and economic development to achieve this mission. The 2019–2050 RTP is the transportation element of the Wasatch Choice 2050 Vision. This 2050 vision is developed to achieve ten regional goals adopted by WFRC that maximize the overall of quality of life in the region. Some of the key components of quality of life considered are mobility, affordability, and air quality (Wasatch Front Regional Council, 2019b).

#### 3.3.1 Scenarios

WFRC developed three different scenarios to observe the trade-offs associated with different transportation and land use investments (see Figure 3.5). Each scenario is developed using equal population and employment projections, also considering a comparable amount of revenue is spent on regional transportation. The transportation funding is divided differently between roadways, transit, and active transportation in each scenario (Wasatch Front Regional Council, 2019a).

**Scenario 1:** The future based on current plans and trends.

This scenario includes all projects within the 2015–2040 RTP and incorporates all currently adopted city and county general plans.

- *Road System:* Scenario 1 includes all regional roadway projects that are included in the 2015–2040 RTP but have not yet been constructed. Roadway improvements are emphasized on operational improvements on existing freeways, adding connections. Construction of new freeways and conversion of current roads to limited-access roadways are planned to meet the increasing demand.
- *Transit System:* Scenario 1 includes all major regional transit projects that have been envisioned through the 2015–2040 RTP planning process. This scenario explores development of several fixed guideway transit routes. It also focuses on extensions of existing transit routes for increased regional travel.
- *Active Transportation System:* Scenario 1 focuses on development of a reliable network of connected active

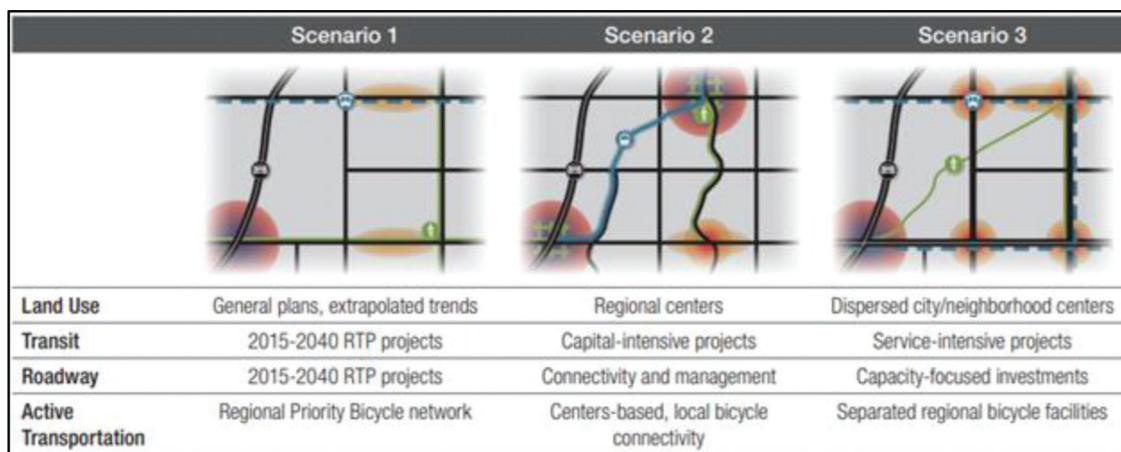


Figure 3.5 Overview of the scenarios (Wasatch Front Regional Council, 2019a).

transportation facilities. It explores development of separated bicycle facility and improvement of connections between counties.

- *Land Use and Centers:* Land use assumptions in scenario 1 are based mainly on the currently adopted General Plans from each city and county. It included consideration of emerging major growth centers where economic activities are concentrated.

**Scenario 2:** Focuses growth on large regional centers and expands local streets and regional rail.

- *Road System:* In scenario 2, communities are linked by developing roadway connections and improvement in access over barriers such as freeways and railroads. The scenario also observes operational improvements that will improve the flow of traffic. In addition to planned development of new freeways and additional capacity on existing freeways in scenario 1, scenario 2 includes additional crossings over interstates, increasing connectivity.
- *Transit System:* To support high density growth in large, concentrated centers observed in scenario 2, several high-capacity, fixed guideway projects are planned for development. This scenario includes creating instill stations at different locations to meet the increasing demand. It also includes extending transit routes through major growth centers such that different transits are connected thus, increasing multi-modal transportation.
- *Active Transportation System:* Scenario 2 includes a variety of improvement projects identified as first-/last-mile. As this scenario aims at improving the transit system by expanding its capacity around concentrated growth regions, projects are planned that facilitate improved access to fixed guideway transit. These improvements will be made within one-to-three-mile diameter from the center of the concentrated growth regions.
- *Land Use and Centers:* This scenario focuses new growth into large, concentrated regions. Some smaller centers scattered around transit systems and major interchanges are expected to grow in this scenario.

**Scenario 3:** Creates small village and town centers while expanding regional roads and local buses.

- *Road System:* Scenario 3 focused on providing capacity improvements on existing roads to reduce travel times and improve traffic flow. It also had a focus on freight improvements with new roads and grade-separation. In addition to these developments, similar to scenario 2, increased capacity and operational improvements are proposed for existing freeways; construction of new freeways is planned; and conversion of current roads to limited-access roadways.
- *Transit System:* In this scenario, the transit system improvements are more focused on bus service, creating a reliable network. The improvements include additional routes, increased frequency, and expanded service throughout the day to service the growing regional travel.
- *Active Transportation System:* Scenario 3 includes reduced number of active transportation facilities. This scenario focuses on trails, developing crossings on the current trail network. The other focus is development of protected bike lanes to reduce travel time between scattered centers by bikes. The goal being to increase

separation between vehicles and bikes and pedestrians, increasing safety.

- *Land Use and Centers:* Scenario 3 considers growth in dispersed towns and villages and other strategic large centers. This growth is like the one considered in scenario 2 where smaller centers around the transit system and major interchanges grew in addition to major concentrated growth centers.

### 3.3.2 Preferred Scenario

WFRC, in collaboration with local communities and transportation partners, developed key performance measures to quantify outputs measuring the success for the adopted regional goals. Evaluation and comparison of each scenario is assisted by analyzing the modeling results.

The performance measures were used to ascertain the effectiveness of each scenarios. These scenarios are compared to current conditions and a hypothetical future in which no transportation investments occurred. The performance measures were developed to determine the effectiveness of each scenario against the regional developed by WFRC.

- Livable and healthy communities
- Access to economic and educational opportunities
- Manageable and reliable traffic conditions
- Quality transportation choices
- Housing choices and affordable living expenses
- Fiscally efficient communities and infrastructure
- Sustainable environment, including water, agricultural, and other natural resources
- Ample parks, open spaces, and recreational opportunities

In addition to the performance measures, feedback was received from local communities through public involvement process. WFRC held open-house workshops and created an online visualization tool to present the different scenarios and the performance measures to aid the public involvement process. These feedbacks received by WFRC, UDOT, UTA, and other local authorities were considered while developing the preferred scenario.

In close collaboration with transportation partners and local communities, the WFRC created project selection criteria for roadway, transit, and active transportation projects. The project selection process, conducted in close collaboration with UDOT, consisted of three steps. These steps included: stakeholder feedback, technical evaluation, and consideration and incorporation of relevant efforts. This information was used to distill three land use and transportation scenarios into a single, preferred scenario. The WFRC refined the three scenarios into a single “preferred scenario” also known as preferred regional vision. The regional adopted goals and a variety of performance factors were used to evaluate which projects—improvements or developments—should be included as part of the preferred scenario. This preferred scenario was a new growth and transportation scenario based on

detailed analysis of costs, mobility, transit use, and many other factors.

### 3.3.3 Insights

The 2019–2050 RTP report for Utah suggests how developing scenarios can help the state prepare for future possible scenarios. The WFRC considered population growth and increase in employment to create scenarios. While for our project we have considered the growth in GDP. As SPR-4411 project aims at freight planning, it is relevant to consider GDP in each county and each industry that contributes to freight traffic. Also, the scenarios that we have considered are in line with the ones that are developed globally.

## 4. SCENARIOS

In the late 2000s, teams of researchers, modelers, climate scientists around the world began the process of developing new scenarios to explore how the world might evolve over the rest of the 21st century. These pathways have been named as “Shared Socioeconomic Pathways” or SSPs and represent different possible evolutions of the world’s economies based on geopolitical choices (Hausfather, 2018). Following these SSPs, “Representative Concentration Pathways” (RCPs), were developed by a group of researchers, and they describe different levels of greenhouse gases and other radiative forcing that might occur in the future. Because these SSPs and RCPs have been translated into quantitative estimates of future growth, we used them to build scenarios for GDP growth.

### 4.1 Shared Socioeconomic Pathways

The SSPs examine how global societies, population, economics, and political situations might change the face of the world and growth over the next century. These SSPs examine five different scenarios in which the world might progress despite climate policy. They also consider how different levels of climate change mitigation could be attained when the mitigation targets of RCPs are combined with the SSPs.

The five different SSPs are defined as the following.

SSP1 – A world of sustainability-focused growth and equality.

SSP2 – A “middle of the road” world where trends broadly follow their historical patterns.

SSP3 – A fragmented world of “resurgent nationalism.”

SSP4 – A world of ever-increasing inequality.

SSP5 – A world of rapid and unconstrained growth in economic output and energy use.

SSP1 scenario poses low challenges to mitigation and low challenges to adaptation. This future emphasizes on human well-being and global population peaks mid-century. It boasts environmentally friendly technologies and renewable energy (SENSES, n.d.b).

SSP2 scenario poses moderate challenges to mitigation and moderate challenges to adaptation. The population growth stabilizes toward the end of the century. Current social, economic, and technological trends continue in the future for this scenario (SENSES, n.d.b).

SSP3 scenario poses high challenges to mitigation and high challenges to adaptation. This future emphasizes on national issues due to regional conflicts and nationalism. The population growth continues with high growth in developing countries in this scenario. Economic development is slow and fossil fuel dependence is high in this future (SENSES, n.d.b).

SSP4 scenario poses low challenges to mitigation and high challenges to adaptation. This future sees a growing divide between globally-connected, well-educated society and fragmented lower income societies. The Population growth stabilizes toward the end of the century. Unrest and conflict become more common in this scenario (SENSES, n.d.b).

SSP 5 scenario poses high challenges to mitigation and low challenges to adaptation. This future emphasizes on economic growth and technological progress and global population peaks mid-century. It boasts global adoption of resource and energy intensive lifestyles with lack of environmental awareness (SENSES, n.d.b).

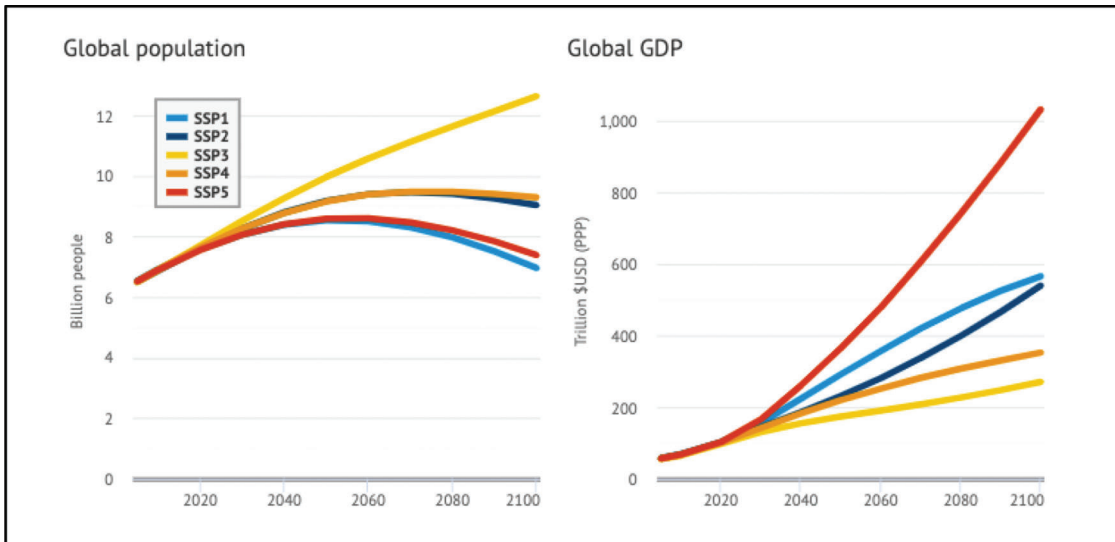
Figure 4.1 represents how global population and global GDP will change in all five scenarios by the end of this century.

### 4.2 Representative Concentration Pathways

With the release of SSPs, modelers and scientists expanded the range of RCPs which set a target level for radiative forcing levels (in watts per meter squared) or atmospheric greenhouse gas concentrations. Modelers have identified various RCP levels.

In 2100, these forcing levels are limited to 6.0, 4.5, 3.4, 2.6, and 1.9 watts per meter squared. After the adoption of the Paris agreement, RCP 2.6 is being considered the most stringent forcing by modelers.

RCP 1.9 aims at declining emissions very strongly, keeping radiative forcing levels at 1.9 W/m<sup>2</sup> and focusing on limiting warming below 1.5 degree Celsius. While RCP 2.6 encourages declining emissions strongly and targets limiting warming below 2 degrees Celsius by keeping radiative forcing levels at 2.6 W/m<sup>2</sup>, in accord with the Paris Agreement. RCP 3.4, on the other hand, represents an intermediate pathway between the “very stringent” RCP 2.6 and less stringent mitigation efforts associated with RCP 4.5. RCP 4.5 indicates slowly declining emission trend, aiming at keeping the radiative forcing levels at 4.5 W/m<sup>2</sup> and temperature rise at 2.4 degree Celsius or below. RCP 6.0 targets at keeping radiative forcing levels at 6.0 W/m<sup>2</sup>, stabilizing emissions and limiting temperature increase to 2.8 degree Celsius or below. RCP 8.5 considers the high-end pathway where there is no climate change mitigation. The radiative forcing levels are at 8.5 W/m<sup>2</sup>, controlling temperature rise at 4.3 degree Celsius and indicating rising emissions (SENSES, n.d.a).



**Figure 4.1** Global population (left) in billions and global gross domestic product (right) in trillion USD on a purchasing power parity (PPP) basis (Carbon Brief, 2018).

### 4.3 Scenario Creation

In our model, we have considered the five SSPs and the values for GDP from a public database (SSP Database Administrator, n.d.) for future prediction of traffic volume in all those scenarios. We have included SSP baseline data which represents how GDP growth will take place if there are no climate policies to mitigate the change. And SSP data combined with RCP 2.6 to identify how scenarios will change if the climate change policies are adopted and implemented. In SSP3, models were simply not able to achieve either RCP 2.6 or RCP 1.9 targets due to regional rivalry and resurgent nationalism limiting the ability of the world to cooperate on reducing emissions over the next few decades. So, RCP 3.4 has been included for SSP 3 in place of RCP 2.6.

We included world GDP figures for all five scenarios for SSP baseline and RCP 2.6 (RCP 3.4 for SSP3) from the IIASC database (SSP Database Administrator, n.d.) from 2005 through 2100. For our model, we needed to predict traffic growth at the county level in Indiana. The world level GDP was converted into county level. We calculated the ratios using World baseline GDP and US baseline GDP to calculate US GDP values for RCP from World GDP. Next, we scaled down the US GDP values to Indiana RCP state level by using linear regression and calculating the growth rate and intercept using the historical US and Indiana GDP values. To scale down these state level GDP to county GDP, we took the average growth rate for every county using historical data and the same has been done scaling down to industry GDP from county GDP.

### 4.4 Scenario GDP Data Processing

For the predictions based on the regression, we needed the future GDP values across scenarios for the

five selected industries in every county. For this exercise we considered the IIASC SSP database (SSP Database Administrator, n.d.). The past GDP values for the five industries for all counties from the Bureau of Economic Analysis (BEA) database. We additionally inflation adjusted the GDP values at a baseline of year 2005 to bring them to the same scale as SSP GDP values.

Initially, world GDP values were taken for all the five scenarios for SSP baseline and RCP 2.6 (RCP 3.4 for SSP3) from the from the IIASC database from 2005 through 2100 (Figure 4.2).

We then took an average to get the GDP values at an interval of 5 years as shown in Figure 4.3.

This world level GDP had to be converted to future industry GDP for a county. We did that one step at a time. From the SSP database we also obtained US GDP baseline values. Now, to obtain the US RCP GDP values, we calculated the ratios of World baseline GDP and US baseline GDP and multiplied these values with World baseline GDP (Figure 4.4)

Next, we scaled down the US GDP values to Indiana state level by using linear regression and calculating the growth rate and intercept using the historical US and Indiana GDP values as shown in the Table 4.1.

The equation that we get after regressing Indiana (IN) GDP against US GDP is Equation 4.1.

$$IN\ GDP = 0.01430881 * US\ GDP + 67.32298252 \text{ (Eq. 4.1)}$$

Figure 4.5 shows the scaled down values to the Indiana state level. For scaling it down to the county level, we initially found the weighted average ratio between county GDP and the Indiana State GDP for all the counties using BEA database (Bureau of Economic Analysis, n.d.). Then, a product of the scenario GDP for a particular year multiplied by the county ratio provided us with the county GDP for all the scenarios for future years.



Scenario	Region	2010	2020	2030	2040	2050
SSP3-34	World	64808.103	97400.855	130059.000	150358.000	166465.000
SSP3-Baseline	World	64812.719	97447.997	130402.000	154577.000	173654.000
SSP4-26	World	66937.023	99838.145	141505.774	182408.504	219016.138
SSP4-Baseline	World	66937.023	99822.558	141254.112	182424.146	219113.777
SSP1-26	World	68461.883	101815.297	155854.797	223195.500	291301.406
SSP1-Baseline	World	68461.883	101815.297	155854.797	223195.500	291301.406
SSP2-26	World	67517.900	101081.500	142462.800	184463.700	228517.700
SSP2-Baseline	World	67528.800	101244.500	143069.700	185954.600	231300.200
SSP5-26	World	67570.000	101900.000	164700.000	254500.000	351600.000
SSP5-Baseline	World	67570.000	101900.000	165800.000	260200.000	364700.000

Figure 4.2 SSP world GDP/PPP (in billion USD, 2005/year) (SSP Database Administrator, n.d.).

Scenario	Region	2010	2015	2020	2025	2030	2035	2040	2045	2050
SSP3-34	World	64808.1	81104.5	97400.9	113729.9	130059.0	140208.5	150358.0	158411.5	166465.0
SSP3-Baseline	World	64812.7	81130.4	97448.0	113925.0	130402.0	142489.5	154577.0	164115.5	173654.0
SSP4-26	World	66937.0	83387.6	99838.1	120672.0	141505.8	161957.1	182408.5	200712.3	219016.1
SSP4-Baseline	World	66937.0	83379.8	99822.6	120538.3	141254.1	161839.1	182424.1	200769.0	219113.8
SSP1-26	World	68461.9	85138.6	101815.3	128835.0	155854.8	189525.1	223195.5	257248.5	291301.4
SSP1-Baseline	World	68461.9	85138.6	101815.3	128835.0	155854.8	189525.1	223195.5	257248.5	291301.4
SSP2-26	World	67517.9	84299.7	101081.5	121772.0	142462.8	163463.3	184463.7	206490.7	228517.7
SSP2-Baseline	World	67528.8	84386.7	101244.5	122157.1	143069.7	164512.2	185954.6	208627.4	231300.2
SSP5-26	World	67570.0	84735.0	101900.0	133300.0	164700.0	209600.0	254500.0	303050.0	351600.0
SSP5-Baseline	World	67570.0	84735.0	101900.0	133850.0	165800.0	213000.0	260200.0	312450.0	364700.0

Figure 4.3 SSP world GDP/PPP (in billion USD, 2005/year) at 5-year intervals.

Scenario	Region	2010	2015	2020	2025	2030	2035	2040	2045	2050
SSP1	USA	13087.12	14772.26	17156.08	19536.27	21979.95	24428.26	26777.92	28990.58	31007.59
SSP1-26	USA	13087.12	14772.26	17156.08	19536.27	21979.95	24428.26	26777.92	28990.58	31007.59
SSP2	USA	13087.12	14754.81	17032.56	19086.82	20965.92	22688.69	24320.37	25861.45	27281.87
SSP2-26	USA	13085.01	14739.61	17005.13	19026.67	20876.99	22544.03	24125.38	25596.58	26953.67
SSP3	USA	13087.12	14652.18	16642.45	18224.43	19477.09	20484.66	21325.1	22008.29	22472.58
SSP3-34	USA	13086.19	14647.5	16634.4	18193.22	19425.85	20156.74	20743.06	21243.37	21542.25
SSP4	USA	13087.12	14720.99	16972.43	19249.43	21559.68	23821.42	25898.89	27779.91	29446.67
SSP4-26	USA	13087.12	14722.37	16975.08	19270.77	21598.1	23838.79	25896.67	27772.07	29433.55
SSP5	USA	13087.12	14862.28	17514.18	20524.26	23990.21	27793.54	31738.97	35907.43	40312.78
SSP5-26	USA	13087.12	14862.28	17514.18	20439.92	23831.04	27349.89	31043.69	34827.16	38864.75

Figure 4.4 SSP US GDP/PPP (in billion USD, 2005/year).

Table 4.2 through Table 4.8, provide the forecasted county level GDP by scenario for individual counties in Indiana. The counties which were forecasted to have high levels of congestion were considered for optimization modeling and the GDP data for the same is provided here. The forecasted county-level GDP data by scenario for other counties in Indiana is provided in Appendix B.

Lastly, the county level GDP values were scaled down to industry level GDP. For, this we used the BEA data (Bureau of Economic Analysis, n.d.) to find how much each industry was contributing to the total county GDP for all the counties by dividing the total industry county GDP with individual industry GDP. Again, a weighted average ratio of the industry contribution was calculated for the five industries for all the counties. This ratio was multiplied to every scenario's county GDP for the future years to find the

future industry GDP value for a given scenario. The five industries for each county were selected based on their contribution to freight volume.

Industrial GDP values for Indiana counties was identified. The five industries that contribute the most to the freight volume are construction, manufacturing, wholesale trade, retail trade, and transportation and warehousing. This information is presented in the Appendix C for counties that were identified to have high degrees of congestion in subsequent analysis. These counties are Allen County, Elkhart County, Floyd County, Hamilton County, Harrison County, St. Joseph County, and Tippecanoe County. The values in column 4, "Industry contribution," represent the ratios of each industry to the total county GDP. The product of these ratios with the future county GDP provided the SSP industry GDP for each county. The industrial GDP is calculated from 2020 to 2050 at an interval of 5 years.

TABLE 4.1  
US and Indiana GDP (in billion USD, 2009)<sup>1</sup>

Year	Indiana GDP	US GDP
2016	\$300.59	\$16,342.93
2015	\$296.24	\$16,094.52
2014	\$294.00	\$15,690.35
2013	\$288.16	\$15,348.03
2012	\$281.54	\$15,126.28
2011	\$280.59	\$14,833.68
2010	\$279.07	\$14,628.17
2009	\$262.07	\$14,320.11
2008	\$279.57	\$14,718.30
2007	\$281.63	\$14,798.37
2006	\$274.07	\$14,584.89
2005	\$268.89	\$14,203.24
2004	\$268.91	\$13,764.65
2003	\$260.87	\$13,295.94
2002	\$252.21	\$12,962.81
2001	\$245.95	\$12,735.11
2000	\$251.02	\$12,616.53
1999	\$243.14	\$12,141.84
1998	\$235.59	\$11,598.24
1997	\$222.04	\$11,118.78

<sup>1</sup>Source: Department of Numbers, n.d.

Scenario	Region	2010	2015	2020	2025	2030	2035	2040	2045	2050
SSP1	IN	254.5841	278.6965	312.8061	346.8638	381.8298	416.8624	450.4831	482.1437	511.0046
SSP1-26	IN	254.5841	278.6965	312.8061	346.8638	381.8298	416.8624	450.4831	482.1437	511.0046
SSP2	IN	254.5841	278.4468	311.0386	340.4326	367.3204	391.9712	415.3185	437.3695	457.6941
SSP2-26	IN	254.5539	278.2292	310.6462	339.572	366.0478	389.9013	412.5284	433.5796	452.998
SSP3	IN	254.5841	276.9782	305.4566	328.0928	346.0169	360.4341	372.4598	382.2355	388.8788
SSP3-34	IN	254.5708	276.9113	305.3414	327.6463	345.2838	355.7419	364.1314	371.2904	375.5669
SSP4	IN	254.5841	277.9629	310.1783	342.7594	375.8164	408.1791	437.9052	464.8204	488.6698
SSP4-26	IN	254.5841	277.9826	310.2162	343.0647	376.366	408.4276	437.8734	464.7082	488.4821
SSP5	IN	254.5841	279.9846	317.93	361.0006	410.5943	465.0155	521.4699	581.1156	644.1509
SSP5-26	IN	254.5841	279.9846	317.93	359.7939	408.3169	458.6673	511.5212	565.6582	623.4313

Figure 4.5 SSP Indiana GDP/PPP (in billion USD, 2005/year).

TABLE 4.2  
SSP Allen County GDP/PPP (in billion USD, 2005/Year)

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Allen	18.341	20.338	22.388	24.442	26.413	28.270	29.962
SSP1-26	Allen	18.341	20.338	22.388	24.442	26.413	28.270	29.962
SSP2	Allen	18.237	19.961	21.537	22.982	24.351	25.644	26.836
SSP2-26	Allen	18.214	19.910	21.462	22.861	24.188	25.422	26.561
SSP3	Allen	17.910	19.237	20.288	21.133	21.838	22.412	22.801
SSP3-34	Allen	17.903	19.211	20.245	20.858	21.350	21.770	22.021
SSP4	Allen	18.187	20.097	22.035	23.933	25.676	27.254	28.652
SSP4-26	Allen	18.189	20.115	22.067	23.947	25.674	27.247	28.641
SSP5	Allen	18.641	21.167	24.074	27.265	30.575	34.073	37.768
SSP5-26	Allen	18.641	21.096	23.941	26.893	29.992	33.166	36.554

TABLE 4.3  
SSP Elkhart County GDP/PPP (in billion USD, 2005/Year)

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Elkhart	10.981	12.177	13.405	14.634	15.815	16.926	17.939
SSP1-26	Elkhart	10.981	12.177	13.405	14.634	15.815	16.926	17.939
SSP2	Elkhart	10.919	11.951	12.895	13.761	14.580	15.354	16.068
SSP2-26	Elkhart	10.906	11.921	12.851	13.688	14.482	15.221	15.903
SSP3	Elkhart	10.723	11.518	12.147	12.653	13.076	13.419	13.652
SSP3-34	Elkhart	10.719	11.502	12.122	12.489	12.783	13.035	13.185
SSP4	Elkhart	10.889	12.033	13.193	14.330	15.373	16.318	17.155
SSP4-26	Elkhart	10.891	12.044	13.213	14.338	15.372	16.314	17.149
SSP5	Elkhart	11.161	12.673	14.414	16.325	18.307	20.401	22.614
SSP5-26	Elkhart	11.161	12.631	14.334	16.102	17.958	19.858	21.886

TABLE 4.4  
SSP Floyd County GDP/PPP (in billion USD, 2005/Year)

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Floyd	2.477	2.747	3.024	3.301	3.567	3.818	4.047
SSP1-26	Floyd	2.477	2.747	3.024	3.301	3.567	3.818	4.047
SSP2	Floyd	2.463	2.696	2.909	3.104	3.289	3.464	3.625
SSP2-26	Floyd	2.460	2.689	2.899	3.088	3.267	3.434	3.587
SSP3	Floyd	2.419	2.598	2.740	2.854	2.950	3.027	3.080
SSP3-34	Floyd	2.418	2.595	2.734	2.817	2.884	2.940	2.974
SSP4	Floyd	2.456	2.714	2.976	3.232	3.468	3.681	3.870
SSP4-26	Floyd	2.457	2.717	2.980	3.234	3.467	3.680	3.868
SSP5	Floyd	2.518	2.859	3.252	3.683	4.130	4.602	5.101
SSP5-26	Floyd	2.518	2.849	3.234	3.632	4.051	4.480	4.937

TABLE 4.5  
SSP Hamilton County GDP/PPP (in billion USD, 2005/Year)

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Hamilton	14.932	16.557	18.226	19.899	21.504	23.015	24.393
SSP1-26	Hamilton	14.932	16.557	18.226	19.899	21.504	23.015	24.393
SSP2	Hamilton	14.847	16.250	17.534	18.711	19.825	20.878	21.848
SSP2-26	Hamilton	14.829	16.209	17.473	18.612	19.692	20.697	21.624
SSP3	Hamilton	14.581	15.661	16.517	17.205	17.779	18.246	18.563
SSP3-34	Hamilton	14.575	15.640	16.482	16.981	17.382	17.723	17.928
SSP4	Hamilton	14.806	16.361	17.939	19.484	20.903	22.188	23.326
SSP4-26	Hamilton	14.808	16.376	17.966	19.496	20.902	22.183	23.317
SSP5	Hamilton	15.176	17.232	19.600	22.197	24.892	27.739	30.748
SSP5-26	Hamilton	15.176	17.175	19.491	21.894	24.417	27.001	29.759

TABLE 4.6  
SSP Harrison County GDP/PPP (in billion USD, 2005/Year)

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Harrison	0.888	0.985	1.084	1.183	1.279	1.369	1.451
SSP1-26	Harrison	0.888	0.985	1.084	1.183	1.279	1.369	1.451
SSP2	Harrison	0.883	0.966	1.043	1.113	1.179	1.242	1.299
SSP2-26	Harrison	0.882	0.964	1.039	1.107	1.171	1.231	1.286
SSP3	Harrison	0.867	0.931	0.982	1.023	1.057	1.085	1.104
SSP3-34	Harrison	0.867	0.930	0.980	1.010	1.034	1.054	1.066
SSP4	Harrison	0.881	0.973	1.067	1.159	1.243	1.320	1.387
SSP4-26	Harrison	0.881	0.974	1.068	1.159	1.243	1.319	1.387
SSP5	Harrison	0.903	1.025	1.166	1.320	1.480	1.650	1.829
SSP5-26	Harrison	0.903	1.021	1.159	1.302	1.452	1.606	1.770

TABLE 4.7  
**SSP St. Joseph County GDP/PPP (in billion USD, 2005/Year)**

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	St. Joseph	12.018	13.326	14.670	16.016	17.307	18.524	19.632
SSP1-26	St. Joseph	12.018	13.326	14.670	16.016	17.307	18.524	19.632
SSP2	St. Joseph	11.950	13.079	14.112	15.059	15.956	16.803	17.584
SSP2-26	St. Joseph	11.935	13.046	14.063	14.980	15.849	16.658	17.404
SSP3	St. Joseph	11.735	12.605	13.294	13.848	14.310	14.685	14.940
SSP3-34	St. Joseph	11.731	12.588	13.266	13.667	13.990	14.265	14.429
SSP4	St. Joseph	11.917	13.169	14.439	15.682	16.824	17.858	18.774
SSP4-26	St. Joseph	11.918	13.180	14.460	15.692	16.823	17.854	18.767
SSP5	St. Joseph	12.215	13.869	15.775	17.866	20.035	22.326	24.748
SSP5-26	St. Joseph	12.215	13.823	15.687	17.622	19.652	21.732	23.952

TABLE 4.8  
**SSP Tippecanoe County GDP/PPP (in billion USD, 2005/Year)**

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Tippecanoe	7.787	8.634	9.505	10.377	11.214	12.002	12.720
SSP1-26	Tippecanoe	7.787	8.634	9.505	10.377	11.214	12.002	12.720
SSP2	Tippecanoe	7.743	8.474	9.144	9.757	10.339	10.887	11.393
SSP2-26	Tippecanoe	7.733	8.453	9.112	9.706	10.269	10.793	11.276
SSP3	Tippecanoe	7.604	8.167	8.613	8.972	9.272	9.515	9.680
SSP3-34	Tippecanoe	7.601	8.156	8.595	8.855	9.064	9.243	9.349
SSP4	Tippecanoe	7.721	8.532	9.355	10.161	10.901	11.571	12.164
SSP4-26	Tippecanoe	7.722	8.540	9.369	10.167	10.900	11.568	12.160
SSP5	Tippecanoe	7.914	8.986	10.221	11.576	12.981	14.466	16.035
SSP5-26	Tippecanoe	7.914	8.956	10.164	11.418	12.733	14.081	15.519

## 5. METHODOLOGY OVERVIEW

The aim of our research analysis is to predict the increase in future freight volume on a ramp due to the growth in industrial activity in Indiana for five possible future scenarios and identify the ramps that will see congestion across different time periods and will require an addition in the capacity. For this, we assembled truck DVMT data for highway ramps in Indiana (HPMS

database) and aggregated it over counties to get the total of truck freight volume at county-level. Then we regressed freight data on industry GDP (BEA database) to predict the future freight values on ramps in each county for every scenario. These predicted values are used as an input to build an optimization model which identifies the ramps where capacity increase will be economically viable such that the cost associated with this increase is minimized. See Figure 5.1 for an overview.

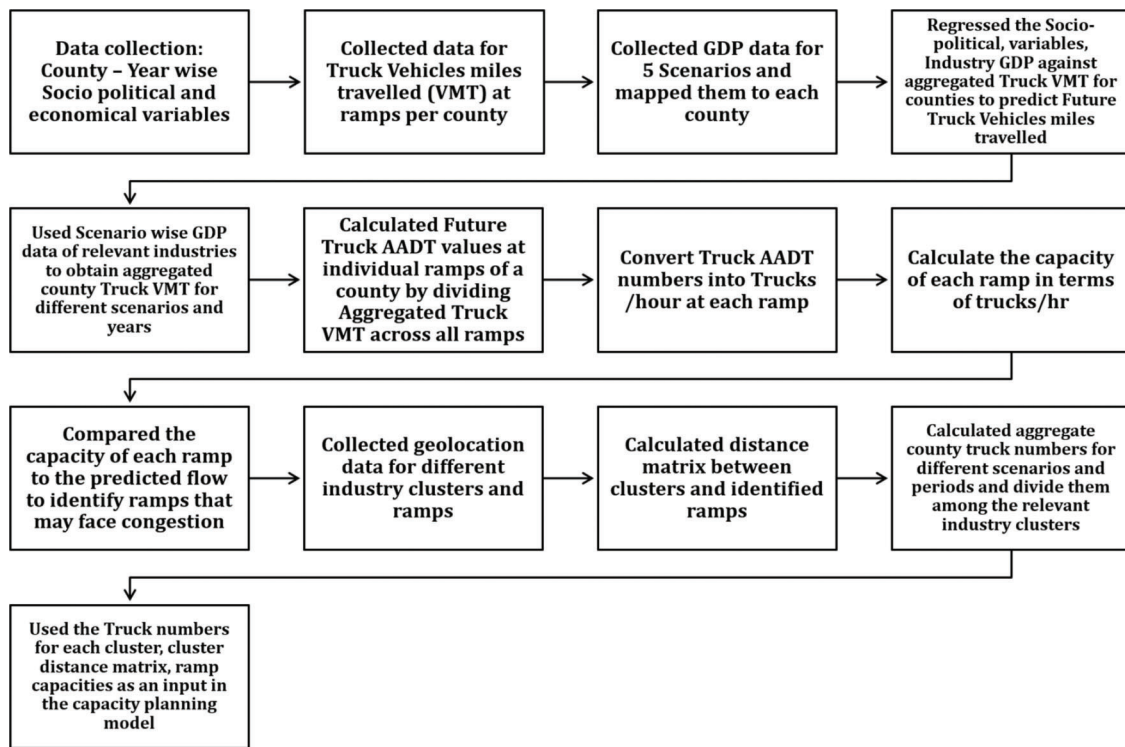


Figure 5.1 Methodology overview.

## 6. REGRESSION MODELING: RELATION BETWEEN GDP AND TRUCK FREIGHT VOLUME

Regression analysis is a process that is used to find relationship between an outcome variable, or a dependent variable and the predictor variables also called as independent variables. One of the widely used forms of regression analysis is linear regression in which we find a line or a linear combination that fits our data giving us linear relationships between independent and dependent variables.

For our research, our objective is to find the relationship between industry GDP parameters and the truck freight volume estimated through AADT and DVMT parameters.

### 6.1 AADT and DVMT

Let us look at a couple of definitions of the measures used in our analysis according to the *Traffic Monitoring Guide* (Policy and Governmental Affairs, n.d.).

Annual Average Daily Traffic (AADT): AADT identifies the average volume of traffic for a one day (24-hour period) during a data reporting year.

Daily Vehicle Miles Travelled (DVMT): DVMT indicates how many vehicles have traveled over the distance of a route, for a data reporting year, when reported as an average day for a given year.

Shape Length: It is defined as the length of the road under consideration.

AADT, DVMT and shape length are related by Equation 6.1.

$$AADT * Shape Length = DVMT \quad (\text{Eq. 6.1})$$

The change in DVMT and in turn in AADT can be explained by GDP, population, and industry parameter changes. For our research, as we were interested in the values pertaining to freight transportation by roads, we only considered the AADT values for trucks. Also, overall GDP would not necessarily give us an understanding for freight as it includes GDP contribution by industries that do not contribute to the freight. So, based on the California DOT model we considered five industries, construction, manufacturing, wholesale, retail and warehousing and transportation that contributed heavily towards the total freight volume in a county. Thus, GDP alone was taken for the final model.

The ramp data for AADT values were taken from HPMS database (Policy and Governmental Affairs, 2021) and the INDOT database (IN.gov, n.d.). Figure 6.1 is a HPMS dataset sample that contains Route\_ID, AADT total, AADT trucks. It additionally has the Shape length of the ramp.

From the Route ID in the INDOT shapefile guide (INDOT, 2019), we were able to identify the ramps on the highways across the state. The following explains identifying ramp from the Route ID.

ROUTE_ID	AADT	AADT_COMB	AADT_SU	PCT_PK	COM	PCT_PK	SIN	D_FAC	K_FAC	FUT_AADT	YR_FUT	HPMS_YEAR	SHAPE_LEN
10200000690296B01	7376	1538	299	0	0	54	10	17702	0	2018	0.80172969		
10200000690299A01	1870	91	122	0.0486631	0.06524064	55	10	2207	2039	2019	487.436714		
10200000690299C01	5110	309	155	0.06046967	0.03033268	55	11	6030	2039	2019	630.560853		
10200000690309C01	7790	1887	539	0.24223363	0.06919127	56	9	9192	2039	2019	638.936427		
10200000690311C01	2172	74	34	0.03406998	0.22149661	56	9	2563	2039	2019	575.384078		
10200000690315B01	8637	1236	212	0.14310524	0.02454556	56	10	10192	2039	2019	579.272629		
10200004690001B01	78	8	1	0.1025641	0.01282051	55	21	92	2039	2019	413.616747		
10200004690002D01	1287	43	41	0.03341103	0.03185703	55	16	1519	2039	2019	320.189763		
10200004690006A01	2003	235	43	0.11732401	0.0214678	55	10	2364	2039	2019	468.909388		
10200004690006D01	2199	198	38	0.09004093	0.01728058	55	12	2595	2039	2019	470.546214		
10200004690009D01	299	13	10	0.04347826	0.35998795	55	15	353	2039	2019	504.438004		
10200004690011A01	2206	336	82	0.15231188	0.03717135	55	10	2603	2039	2019	573.135918		
10200004690017G01	349	3	7	1.39701549	0.35998795	55	14	412	2039	2019	614.638663		
10300000650068L01	2115	195	77	0	0	57	10	2580	2038	2018	111.045033		
10300000650076D01	3160	229	158	0.07246835	0.05	56	10	3729	2039	2019	709.477286		
10300000650076K01	1470	107	32	0.07278912	0.02176871	56	11	1735	2039	2019	182.916136		
10600000650130C01	3532	300	111	0.08493771	0.03142695	56	10	4168	2039	2019	320.349857		
10600000650133A01	2817	580	389	0.20589279	0.13809017	55	8	3324	2039	2019	373.96014		
10600000650133D01	5240	824	460	0.15725191	0.08778626	55	8	6183	2039	2019	362.936563		
10600000650139B01	1854	368	93	0.19848975	0.05016181	56	9	2188	2039	2019	247.111082		
10600000650139C01	1866	482	111	0.25830654	0.05948553	56	9	2202	2039	2019	330.08561		
10600000650148A01	1200	548	79	0.45666667	0.06583333	55	7	1416	2039	2019	601.305497		
10600000740052C01	1699	95	74	0.05591524	0.04355503	55	11	2005	2039	2019	681.191818		
11000000650006K01	7449	915	321	0.586	0.306	57	9	8641	0	2018	1.15896793		
11000000650009A01	5486	120	108	0.02187386	0.01968647	56	11	6473	2039	2019	440.107369		
11000000650016B01	2502	1047	79	0.41846523	0.03157474	55	7	2952	2039	2019	519.525087		
11000000655001J01	4075	170	330	0.342	0.977	54	11	4075	0	2018	405.555425		
1100000065B000001	6263	659	187	0.71618305	0.22149661	56	10	7390	2039	2019	696.060551		
11400000690062C01	1550	148	55	0.09548387	0.03548387	55	12	1829	2039	2019	741.781573		

Figure 6.1 HPMS database sample.

### J\_CO\_CITY\_RTE\_L\_RAM\_P\_SC

- J – Jurisdiction, the level of government responsible for the route. 1 = interstate, 2 = US routes, 3 = county roads, 5 = city streets, 9 = state routes.
- CO – This corresponds to the county name. For Indiana it is numbered from 1 to 92.
- CITY – 4-digit code assigned to city and towns by INDOT. Unassigned are given as “0000.”
- RTE – 3-digit code signifying the route number. For Interstates, US routes, and state roads this corresponds to the highway number. Interstate 70 has an RTE of “070.”
- L – A code for giving additional information about the route. “0” is standard, “5” indicates tolled facilities, “7” designates “Old State Road” or “Old US Route,” a letter indicates that the route is part of collector/distributor system.
- RAM – 3-digit number of the interchange of which a route is a part.
- P – The letter assigned to the ramp.
- SC – Section Number: The sequential number of the instance of the RTE along a route that is not continuous.

For calculating the truck AADT we add AADT single and AADT combo. Then the AADT values for trucks for each ramp are multiplied by the shape length to give us the DVMT value for the ramp. The next step was to aggregate the DVMT values in a county. This gives us the DVMT for the entire county. This DVMT of the county would be our dependent variable in regression.

## 6.2 County Clustering

Initially, we ran a regression between the DVMT of a county for a particular year and the five industry GDP values for that year. We found that there was a large deviation of the predicted DVMT and the actual DVMT for many of the counties. This variability was

due to the varying trends of the variables among the counties. There were counties whose GDP was increasing at a faster rate than that of other counties, few county GDP were growing at a lower rate, some had high Total GDP value as well as high DVMT and the others had relatively low Total GDP and low DVMT. With the variations and values being so different, having an equation with all the counties as one would skew the results and prevent us from obtaining correct insights. So, we divided the counties into clusters that showed similar trend or had values in similar range.

The classification of clusters was made based on their GDP from freight contributing industries and the total truck VMT. A graph between the freight contributing GDP and aggregate DVMT was plotted and based on how large or small their GDP and VMT values were, the counties were divided into various clusters.

Counties in cluster 1 have high GDP, but lower VMT values.

For cluster 2, that included counties like Allen, Hamilton and others had high GDP and very high VMT.

For cluster 3, that included counties like Delaware, Hancock, they had moderate GDP and moderate VMT values.

For cluster 4, the GDP values and VMT values both were very low. Some of the counties that belongs to this cluster are Lawrence County and Wells County.

For cluster 5, that included counties like Henry, Spencer, and Decatur, there was low GDP and low VMT.

For cluster 6, Kosciusko and Dubois had moderate GDP, but their VMT values were low and there was no significant increase in VMT with increase in GDP.

Table 6.1 lists the counties and their clusters that were included in our regression analysis.

TABLE 6.1  
County Clustering

Cluster 1	Cluster 2	Cluster 3	Cluster 4	Cluster 5	Cluster 6
Bartholomew	Allen	Delaware	White	Decatur	Dubois
Elkhart	Clark	Floyd	Lawrence	Knox	Kosciusko
Howard	Hamilton	Gibson	Wells	Henry	
Tippecanoe	Hendricks	Monroe	Tipton	Spencer	
	Porter	Johnson	Greene	Huntington	
	St. Joseph	Vigo	Miami		
		Wayne	Sullivan		
		Shelby	Starke		
		Dearborn	Perry		
		Hancock	Morgan		
		Jackson	Daviess		
			Warrick		
			Clinton		
			Harrison		
			Fulton		
			Ripley		
			Putnam		
			Vermillion		
			Lagrange		

### 6.3 Regression Considering Different Clusters and Results

We performed regression on 47 counties that had five industry GDP data and ramp data available. Marion too had GDP and ramp level data available but given the very large GDP component and ramp freight component, it was skewing the regression. So, a separate exercise was performed for Marion County.

Our dependent variable is the truck DVMT of the county and the independent variables are construction GDP, manufacturing GDP, retail GDP, wholesale GDP, warehousing and transportation GDP and the county cluster. Before performing the multiple regression, we performed a stepwise regression. Stepwise regression is essentially a method to choose the independent variables for multiple regression considering which variable is most statistically significant.

It is to be noted that the GDP values for the regression were in (thousands of dollars). This stepwise regression gave us construction GDP, manufacturing GDP, warehousing and transportation GDP and the cluster as significant variables that have an effect on the dependent variable—truck DVMT. The R-squared output can be seen in the Figure 6.2. The next step was the multiple regression considering the above variables.

Figure 6.3 has the regression model output results. Figure 6.4 is a plot that is plotted between actual values and the predicted values from the regression. While Table 6.2 provides coefficients for the independent variables.

### 6.4 Future Freight Volume Calculation

The next task is to find future truck DVMT values and then the freight volume for each ramp using the regression equation.

To calculate future freight volume for a ramp for a scenario, we would need future GDP (in thousands of dollars) of the county. For example, to calculate the freight numbers on a ramp in Allen County for SSP1 in 2030, we begin by forecasting DVMT by considering the construction GDP, warehousing and transportation GDP, manufacturing GDP for the scenario SSP 1 for the year 2030 and multiplying them with their respective coefficients from Table 6.2. Next, in Table 6.1 that has the county clustering we can see that Allen County is in Cluster 2, so from the Table 6.2 we take the Cluster 2 intercept value along with the regression equation intercept and add it to the above aggregated value to obtain the truck DVMT value for the Allen County. Next, we have a factor called Ramp DVMT factor, this is essentially the truck DVMT contribution of a single ramp to the total county truck DVMT. We multiply this factor to the county truck DVMT that gives us the truck DVMT on that ramp. By using the following Equation 6.2 we divide ramp DVMT by the shape length of that ramp to give us the truck AADT of that ramp.

$$\text{AADT} * \text{Shape Length} = \text{DVMT} \quad (\text{Eq. 6.2})$$

The final calculation is the product of the truck AADT of the ramp and K factor. K factor is defined as the % of traffic during peak hour. Finally, we get the freight volume on a ramp. This freight volume is similarly calculated for all the ramps for all the considered years across all the scenarios. The freight volume is then compared to capacity of the ramp. If the freight volume exceeds the capacity of the ramp, then we conclude that there is congestion on the ramp. An additional aggregation of the freight volume on a ramp for every scenario and year was done. In the later sections, we would discuss how the county freight volume is used in the optimization model.

Stepwise Selection Summary							
Step	Variable	Added/ Removed	R-Square	Adj. R-Square	C(p)	AIC	RMSE
1	Con	addition	0.782	0.781	220.0360	6676.4901	3063988.7335
2	Tran	addition	0.834	0.833	121.9980	6622.9968	2680989.6260
3	Cluster	addition	0.889	0.885	18.2740	6551.1807	2221652.7003
4	Man	addition	0.899	0.895	0.6790	6533.6163	2123056.6276

Figure 6.2 Stepwise selection results.

```

Coefficients:
      Estimate Std. Error t value Pr(>|t|)
(Intercept) -6.699e+06  1.134e+06  -5.905 1.55e-08 ***
Con          3.200e+01  2.098e+00  15.255 < 2e-16 ***
Tran         1.349e+01  1.861e+00   7.250 9.55e-12 ***
Man          1.735e+00  3.915e-01   4.430 1.57e-05 ***
Cluster2     3.557e+06  1.311e+06   2.714 0.00724 **
Cluster3     5.879e+06  1.049e+06   5.604 7.08e-08 ***
Cluster4     5.274e+06  1.097e+06   4.808 3.04e-06 ***
Cluster5     8.075e+06  1.046e+06   7.717 6.03e-13 ***
Cluster6     1.689e+06  9.723e+05   1.737 0.08390 .
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 2123000 on 195 degrees of freedom
Multiple R-squared:  0.8992,    Adjusted R-squared:  0.895
F-statistic: 217.4 on 8 and 195 DF,  p-value: < 2.2e-16

```

Figure 6.3 Regression model results.

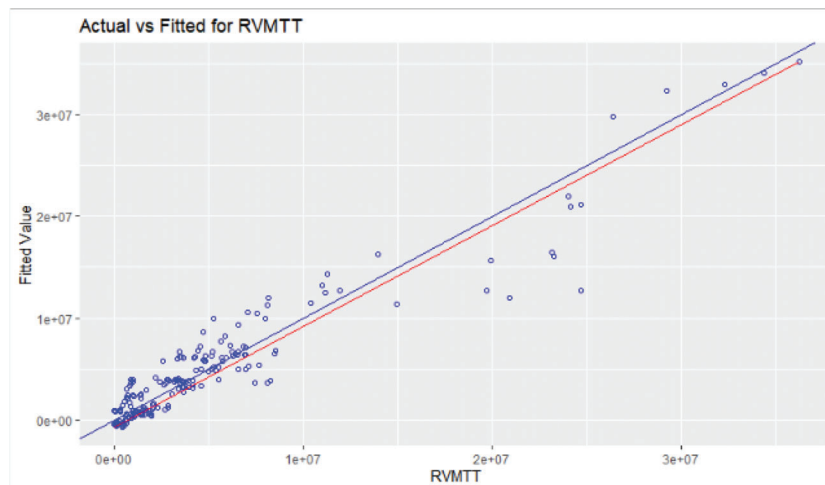


Figure 6.4 Actual vs. fitted plot.

TABLE 6.2  
Regression Coefficients

Variable	Coefficient
Construction GDP	32
Warehousing & Transportation GDP	13.49
Manufacturing GDP	1.735
Intercept	-6.699e+06
Cluster 2	3.557e+06
Cluster 3	5.879e+06
Cluster 4	5.274e+06
Cluster 5	8.075e+06
Cluster 6	1.689e+06



$$V_F = DVMT * R * K / L_S \quad (\text{Eq. 6.3})$$

where,

- $V_F$  – Freight volume of a ramp
- DVMT – County DVMT
- R – Ramp DVMT factor
- K – K-factor
- $L_S$  – Shape Length

## 7. SUPPLY DATA: RAMP CAPACITY

After finding the freight volume demand, we next look at the supply capacity of the ramps. Figure 7.1 presents the information about the capacity of the ramps in terms of passenger cars per hour (pc/h) as obtained from Exhibit 25-3 (approximate capacity of ramp roadways) of the Highway capacity manual (Transportation Research Board, n.d.). The assumption here is that all trucks are converted into equivalent passenger cars and are added to the passenger cars to give the total passenger car. According to FHWA Traffic data computation method pocket guide (FHWA, 2018a), we have one truck being equivalent to two passenger cars. We are considering the free flow speed between 30–50 kmph. So, for single lane ramps the capacity is 1,900 pc/h and for two-lane ramps it is 3,500 pc/h.

We have considered a parameter called the truck factor for each ramp, which is the ratio of truck AADT to the total AADT of that individual ramp. This a measure of average number of trucks to the total number of vehicles on that ramp. We assume the traffic to be a mix of passenger cars and other vehicles. For the sake of simplicity, we consider all other class of vehicles as trucks. Therefore, product of this truck factor and the total traffic volume would give us the number of trucks present in the mixed flow traffic.

$$\text{Truck volume} = \text{Truck factor} \times \text{Total traffic} \\ (\text{mixed flow volume})$$

As mentioned above, passenger car equivalent of two is utilized to adjust the truck number in mixed flow to obtain the traffic volume in passenger car units. Every truck present in the traffic is considered as two passenger cars.

$$\begin{aligned} \text{Total traffic in passenger car units} &= \text{Total traffic} \\ (\text{mixed flow volume}) + \text{Truck number (pce adjustment)} \\ &= \text{Total traffic} \times (1 + \text{Truck factor}) \end{aligned}$$

Free-Flow Speed of Ramp, $S_{FR}$ (km/h)	Capacity (pc/h)	
	Single-Lane Ramps	Two-Lane Ramps
> 80	2200	4400
> 65–80	2100	4100
> 50–65	2000	3800
≥ 30–50	1900	3500
< 30	1800	3200

**Figure 7.1** Approximate capacity of ramp roadways.

The objective of this exercise is to obtain the ramp capacity in terms of truck numbers rather than in terms of passenger car numbers to compare the available supply capacity with truck demand.

Since we consider ramp capacity to be 1,900 passenger car for a single lane, dividing this value by (1+ truck factor) would obtain us the ramp capacity in mixed flow traffic volume. Further multiplying the result with truck factor would get us the capacity in terms of trucks flowing through a single lane.

$$\text{Truck capacity of the ramp} = 1,900 (\text{Truck factor}) / \\ (1 + \text{Truck factor})$$

Capacities of all ramps in the counties considered in the analysis is calculated and compared against the predicted truck volume through them, to identify the locations that are facing congestion or would potentially go out of free flow in future.

### 7.1 Congestion

We now have the capacities for each ramp, the next exercise would be to compare the freight volume of the ramp for a given year and scenario with the capacity. If the freight volume is exceeding the capacity of the ramp, then we say that it is congested. The following figure shows a visualization of the ramps that are over capacity currently or would be over capacity over the next few years. These are across all years and across all scenarios from 2020 to 2050 at an interval of 5 years. We have excluded counties that differed from the present year by abnormal amounts. There are common ramps across scenarios for multiple years, which are not distinctly represented in the Figure 7.2. Figure 7.3 to Figure 7.12 shows the congestion in a specific county in Indiana.

The congestion is first observed in Allen County in the year 2020 at two ramp locations. The maximum number of congested ramps occur for SSP 5 scenario in year 2050 at 20 ramps. Most congested ramps would lie on I-69. The other roads where congestion would be observed are I-469, US Route 30.

The congestion in Elkhart County is first observed in the year 2030. In year 2030, one ramp is congested for scenarios SSP 1, SSP 2-26, SSP4 while across scenarios SSP 5, SSP 5-26, two ramps are congested. The maximum number of congested ramps for year 2050 is 10 and occurs for the scenarios SSP 5, SSP 5-26. Most

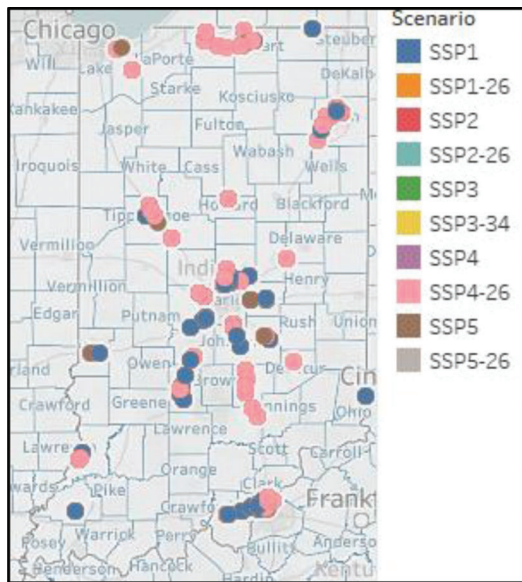


Figure 7.2 Congestion across all years and scenarios.

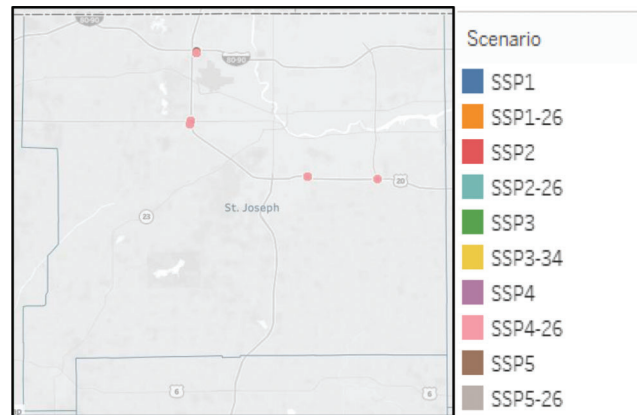


Figure 7.5 Congested ramps in St. Joseph County.

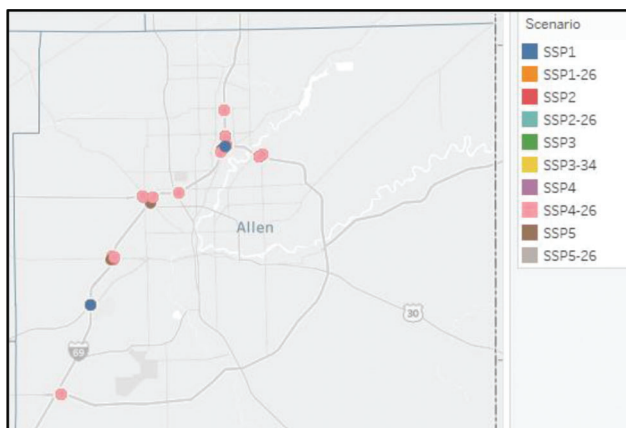


Figure 7.3 Congested ramps in Allen County.

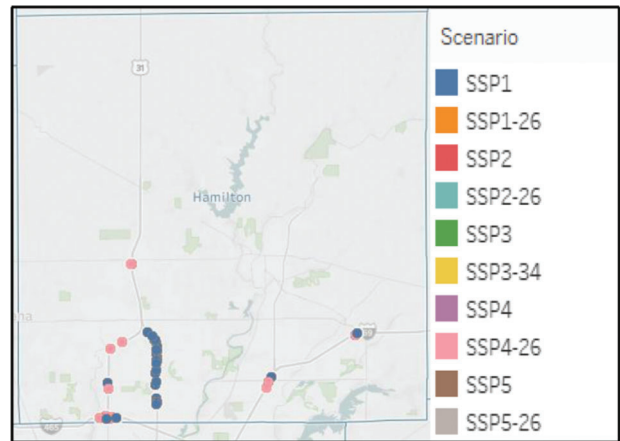


Figure 7.6 Congested ramps in Hamilton County.

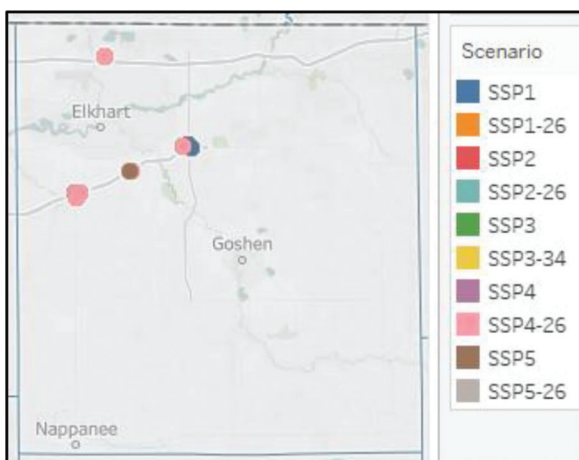


Figure 7.4 Congested ramps in Elkhart County.

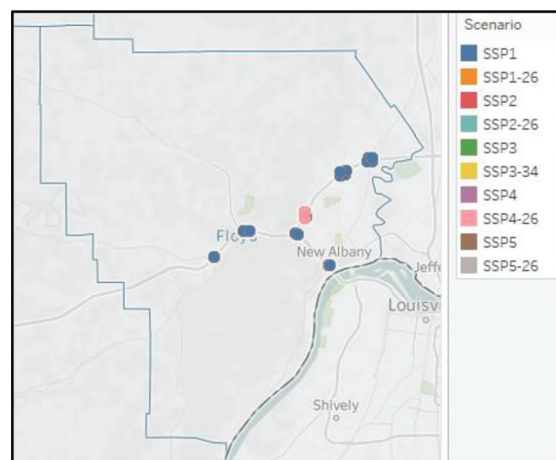


Figure 7.7 Congested ramps in Floyd County.

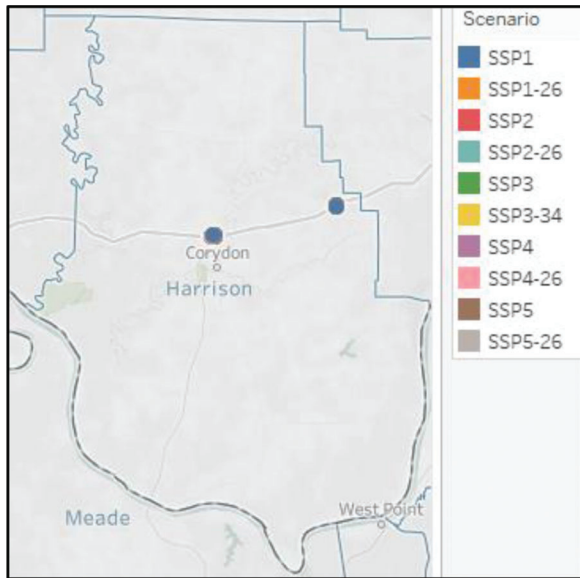


Figure 7.8 Congested ramps in Harrison County.

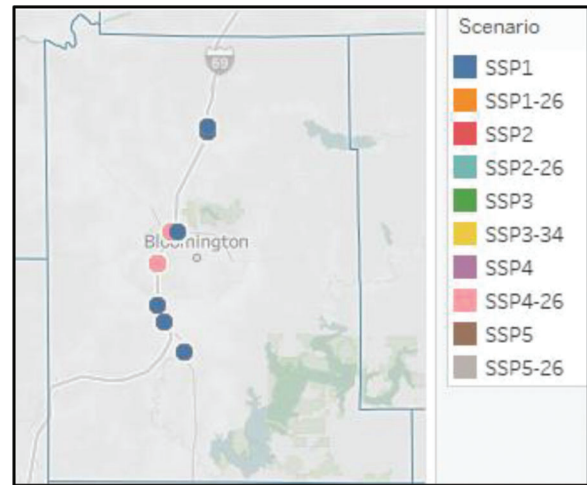


Figure 7.11 Congested ramps in Monroe County.

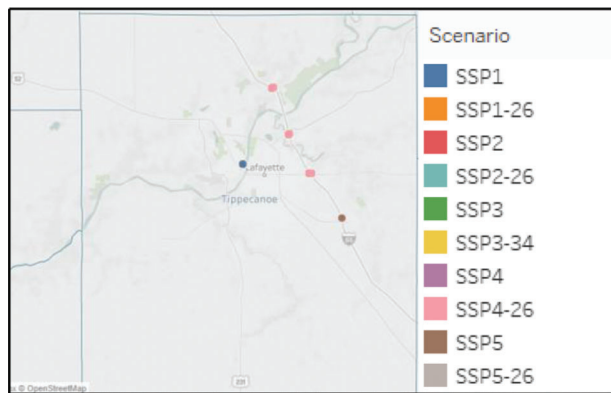


Figure 7.9 Congested ramps in Tippecanoe County.

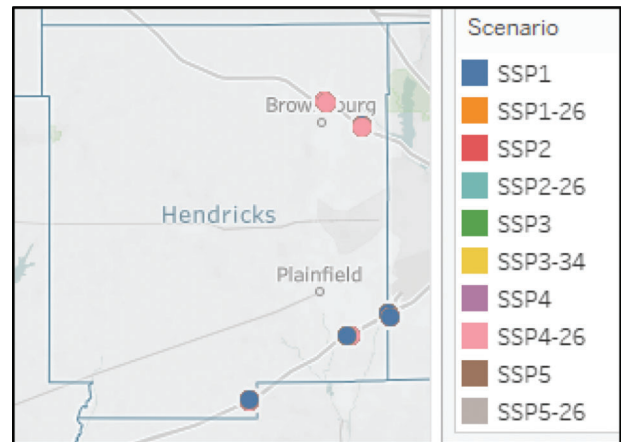


Figure 7.12 Congested ramps in Hendricks County.

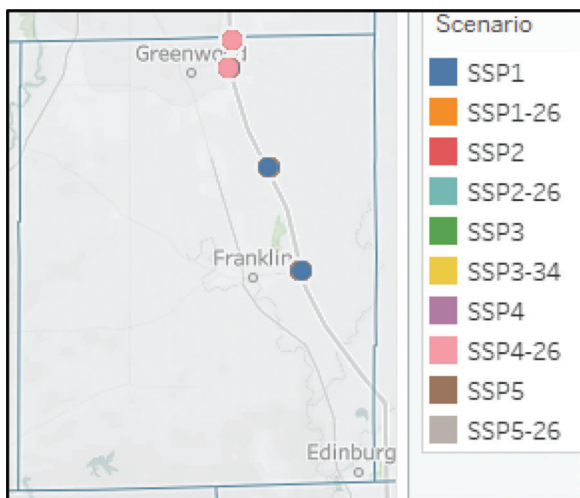


Figure 7.10 Congested ramps in Johnson County.

of the congested ramps would be on the US Route 20, in addition to some congestion also present on I-80.

The congestion in St. Joseph County is first seen in the year 2030 at one ramp location each across SSP 5, SSP 5-26 scenarios. A maximum of eight congested ramps can be observed for SSP 5 scenario in the year 2050. The congestion would be present on the US Route 20 and I-80.

The congestion in Hamilton County is first observed in the year 2020 and there are 22 such congested ramps. The maximum number of congested ramps occur for scenarios SSP 4-26, SSP 5, SSP 5-26 in the year 2050 at 42 ramp locations. The congestion would be present on I-69, US Route 31, SR 431.

The congestion in Floyd County is first seen in the year 2020 and there are 14 such congested ramps. The maximum number of congested ramps occur for scenarios SSP 5, SSP 5-26 in the year 2050 at 21 locations. The congestion would be present on I-64, I-265.

The congestion in Harrison County first occurs in the year 2020 and there are four such congested ramps.

A maximum of six ramps are observed to be congested in the year 2050. The congestion would be present on I-64.

The congestion in Tippecanoe County is first observed in the year 2020 and there is one such congested ramp. The maximum congested ramps are observed for SSP5 scenario for the year 2050 at eight ramps. The maximum congestion would be on I-65.

The congestion in Johnson County is first observed in the year 2020 and there are three such congested ramps. The maximum number of congested ramps occur for scenarios SSP5 and SSP5-26 and year 2040 and is observed at seven ramps. The congestion would be on I-65.

The congestion first occurs in Monroe County in the year 2020 at seven ramp locations. The maximum number of congested ramps for a given scenario and year is 11 ramps for SSP4, SSP5, SSP5-26 scenarios in the year 2050. The congestion would be on I-69 and on SR 37.

Congestion is first observed in Hendricks County in the year 2020 at two ramp locations. The maximum number of congested ramps across all scenarios except SSP2, SSP2-26, SSP3 and SSP3-34 is 10 for the year 2040. The congestion would be on I-70 and I-74.

## 8. INDUSTRY CLUSTERING AND DISTANCE MATRIX

This section and the next few sections provide an insight into how the presence of an industry cluster along with the distance of a ramp from an industry cluster affect the freight volume on the ramp. We then compare the ramp forecasted traffic and compare it to the ramp capacity to understand forecasted ramps that will face congestion.

### 8.1 Industry Clusters

To understand the location of industry clusters, we collected establishments data for construction, retail, manufacturing, warehousing and wholesale trade in the state of Indiana. We considered the establishments that have at least 50 employees.

To visualize the distribution of the existing establishments of the industries, we plotted them on Indiana's map. This establishment's data is from the business lookup tool from the Hoosier data website (Hoosiers by the Numbers, n.d.). Figure 8.1 shows all the 3,873 establishments.

Next, we clustered the establishments based on the distance. We plotted and clustered using the geolocation data (latitudes and longitudes) of the establishments. If an establishment is in proximity of 0.2 miles of another establishment of the same industry, then the establishments will be in the same cluster. From this, we formed the clusters in Table 8.1.

We also found the centroids of each industry cluster and mapped the latitudes and longitudes. Figure 8.2 shows the industry clusters. Figures 8.3 through 8.13 show each of the five industry clusters in separate visualizations.

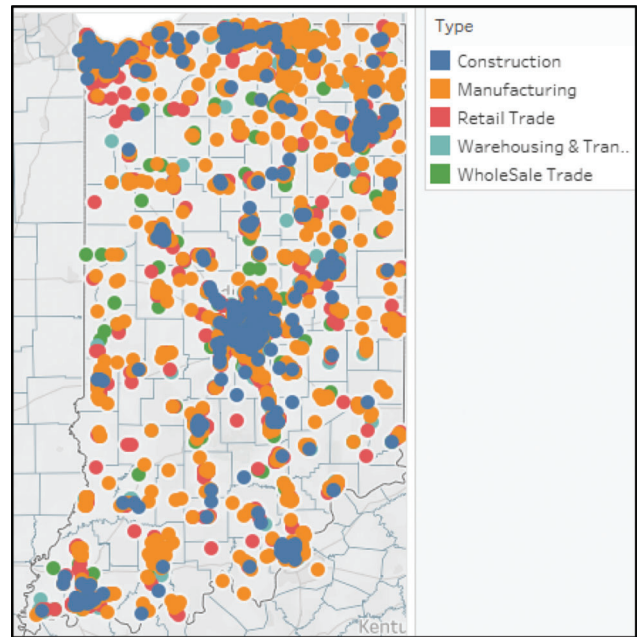


Figure 8.1 Locations of industry establishments.

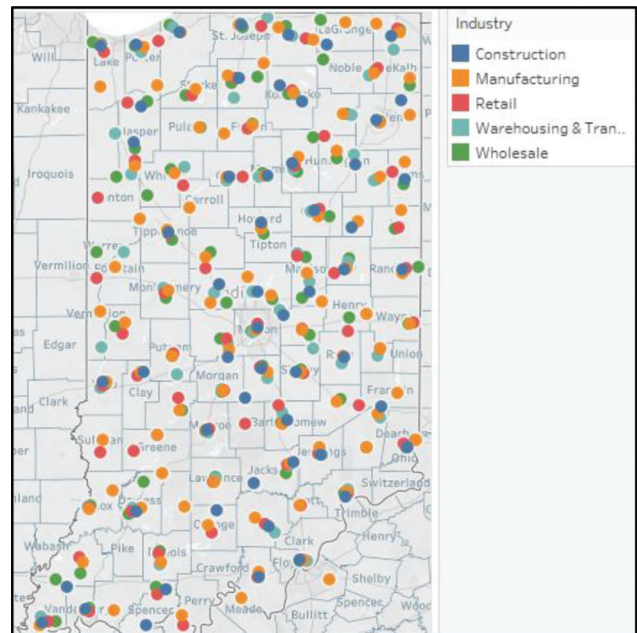


Figure 8.2 Industry cluster.

Next, we consider individual counties for industry clusters. The remaining counties' industry clusters are in Appendix D. We used these centroids to find the distance from each of the ramps to find out which Ramp would require an additional capacity.

### 8.2 Distance Matrix

After determining the centroids of the industries, we calculate the straight-line distance between the ramps and the centroids for each county. We considered the industry clusters in a radius of 20 miles from all the

TABLE 8.1  
Industry Clusters

Industry	Average Number of Establishments per Cluster	# Clusters	Total Establishments
Construction	7	55	381
Retail	16	67	1,310
Manufacturing	15	95	1,434
Warehousing	5	57	263
Wholesale Trade	6	75	485

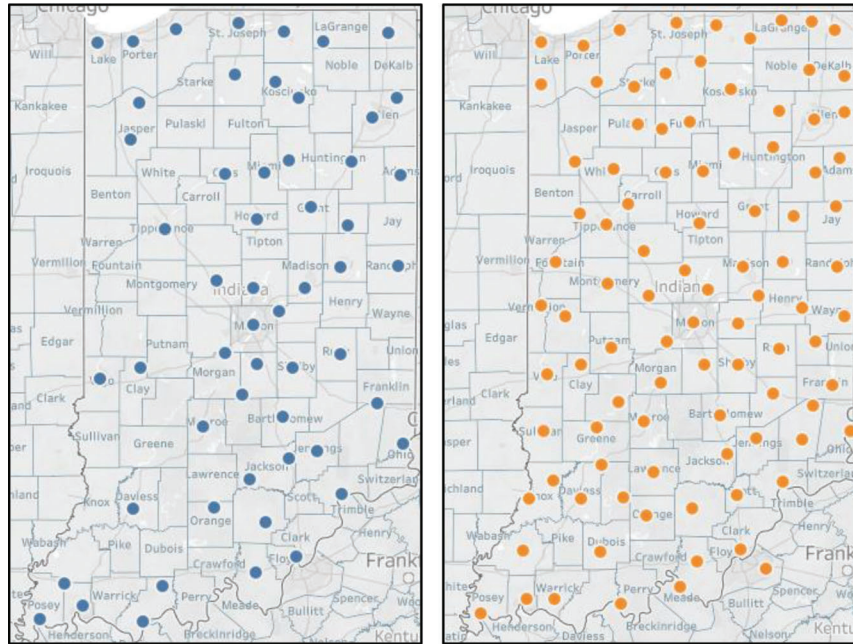


Figure 8.3 Construction cluster (left), manufacturing cluster (right).

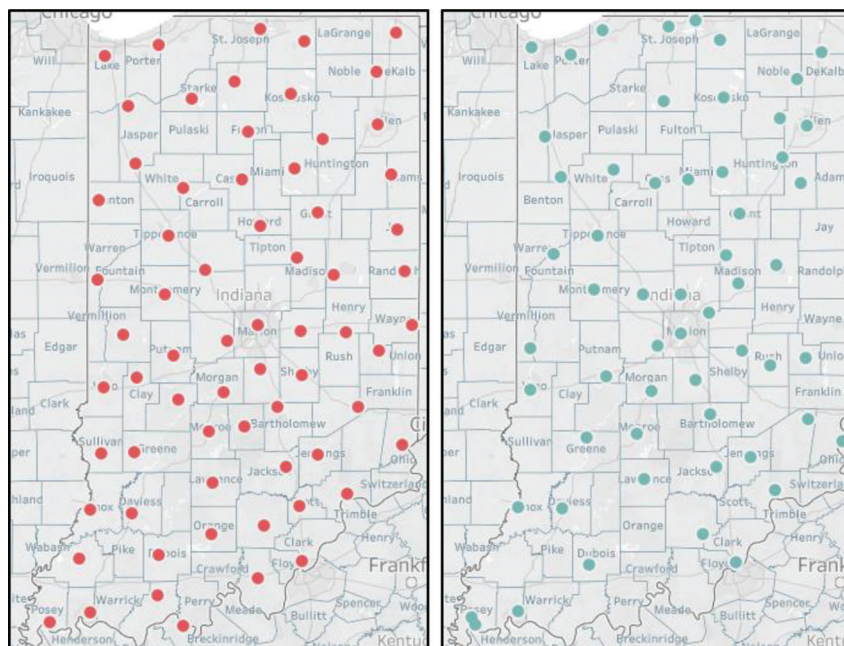


Figure 8.4 Retail cluster (left), warehouse and transportation cluster (right).



Figure 8.5 Wholesale cluster.

ramps within a county. This distance matrix (see Figures 8.14 through 8.19) for each of the counties is used in the capacity planning tool to identify the transportation cost of a truck from each of the ramps to each of the clusters.

To calculate the distance, we used the geolocation data (latitude and longitudes) of the ramps and centroids of the clusters and used haversine formula to calculate the distances. The haversine formula determines the great-circle distance between two pairs of longitudes and latitudes on a sphere. The values corresponding to each ramp and the industry cluster are the distances between the ramp and the industry cluster.

### 8.3 Cluster—County Mapping

After mapping all the industry clusters to the nearest ramps, we found a few clusters impacting the traffic of the counties. Table 8.2 shows the summary of the count of clusters impacting the ramps of each county (Marion is not included in this analysis).

Table 8.3 has the geographic information of the industry clusters and these are mapped to the nearest ramp of a county. This table helps in identifying which ramps will be impacted the most by the industry clusters.



Figure 8.6 Legend for industry cluster identification.

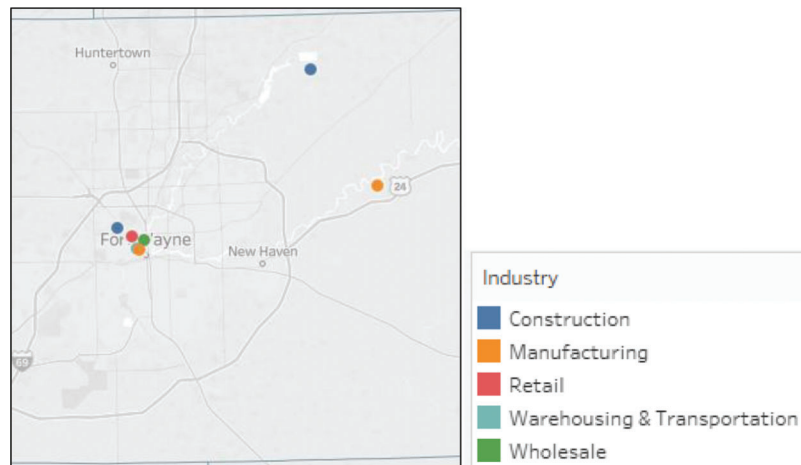


Figure 8.7 Industry cluster for Allen County.

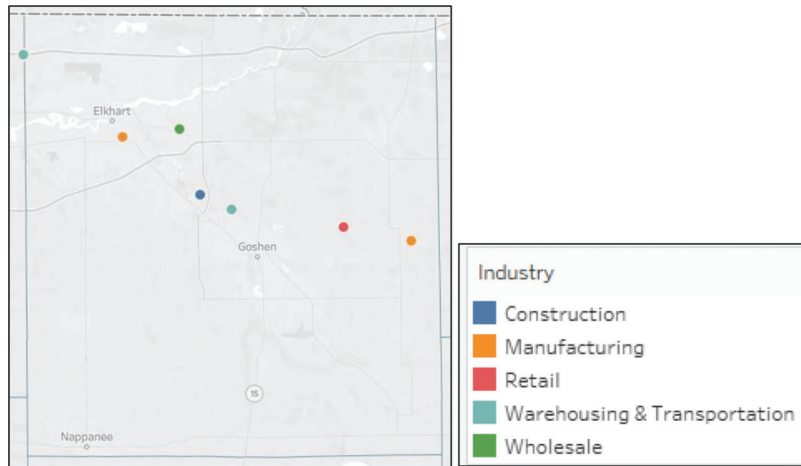


Figure 8.8 Industry cluster for Elkhart County.

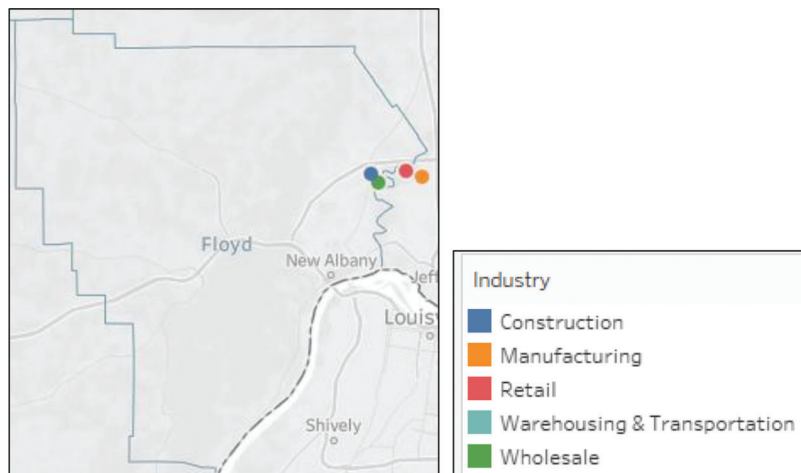


Figure 8.9 Industry cluster for Floyd County.

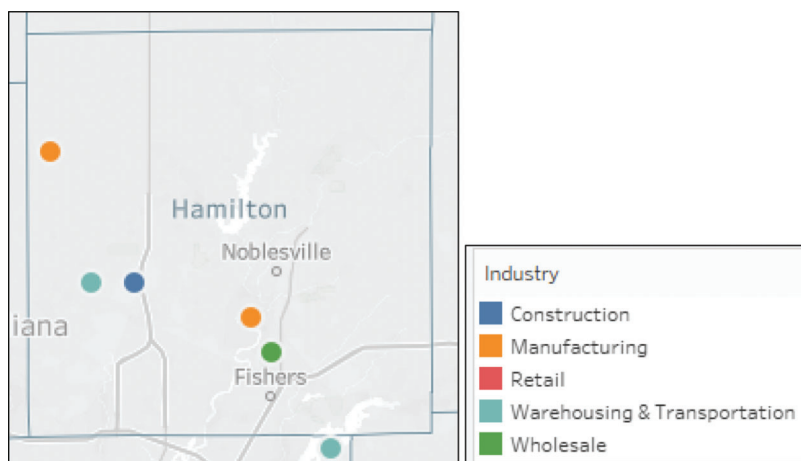
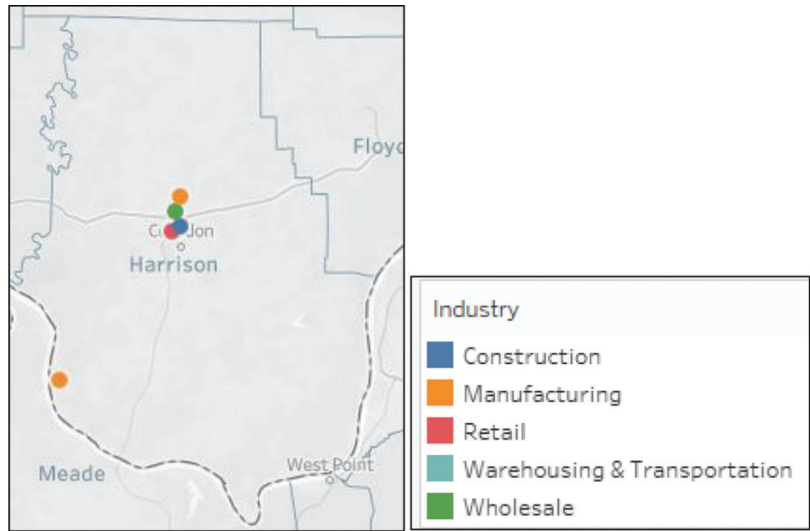
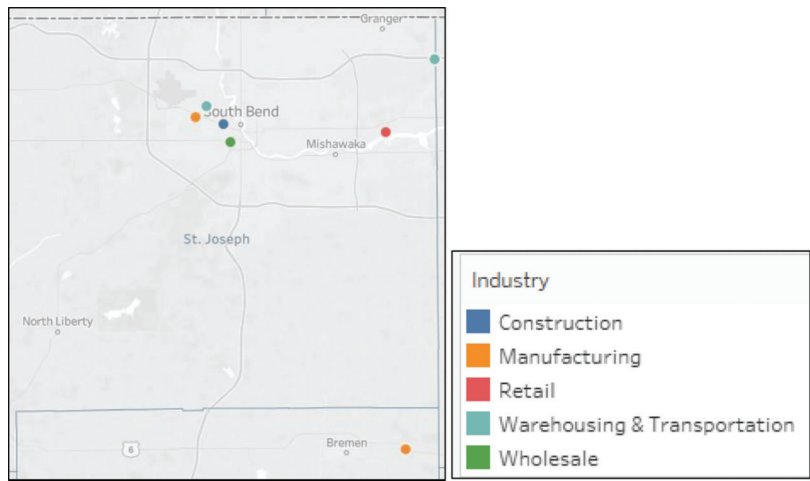


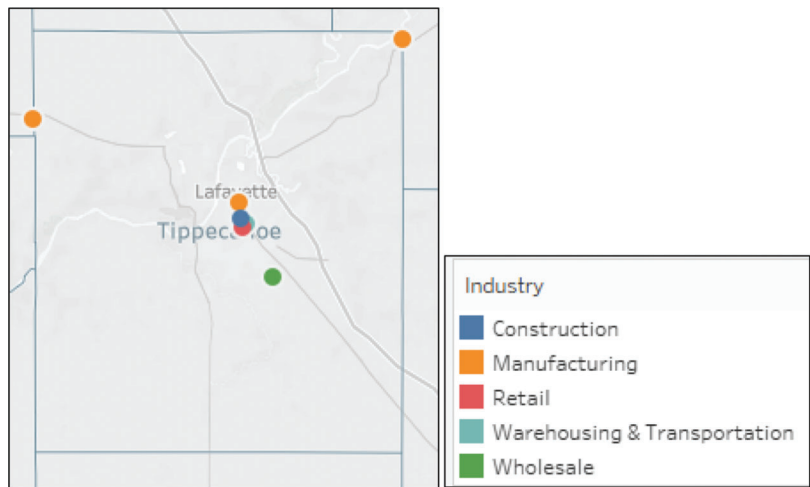
Figure 8.10 Industry cluster for Hamilton County.



**Figure 8.11** Industry cluster for Harrison County.



**Figure 8.12** Industry cluster for St. Joseph County.



**Figure 8.13** Industry cluster for Tippecanoe County.



	County	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph	St. Joseph		
	US/State Route	20	20	073B	073C	076B	079A	082B	084D	086D	244B	263G	264F	072A	080	80	80	80	80	80		
	Ramp ID	750	790	071C	075	076	079	082	084	086	244	263	264	072	083	077						
	RAMP	750	790	071	073	075	076	079	082	084	086	244	263	264	072	083	077					
	Location	20 - 750	20 - 790	20 - 071	20 - 073	20 - 075	20 - 076	20 - 079	20 - 082	20 - 084	20 - 086	31 - 244	31 - 263	31 - 264	80 - 072	80 - 083	80 - 077					
Construction	24	-86.266871	5.700239	6.713252	6.562867	6.415685	5.602319	5.417898	6.691185	7.855916	9.743235	12.47164	8.223751	7.632589	8.534304	7.654141	11.83572	4.419574				
Construction	35	-85.890676	35.9635	30.15729	38.24841	37.76433	35.90728	33.79447	30.25683	26.72421	24.00663	20.62455	30.38216	38.90294	39.16804	38.58035	23.82499	32.01908				
Construction	37	-86.290955	32.31892	29.13503	38.55842	34.30273	32.39422	30.78641	29.13077	29.90675	30.53664	31.72683	27.57946	40.27647	41.87548	40.91777	42.98018	40.00955				
Manufacturing	5	-85.966437	29.61776	24.4094	31.18025	31.18156	29.55008	27.67182	24.50541	21.02048	18.41544	15.19566	24.93878	31.68279	31.81192	31.29059	16.06425	24.6466				
Manufacturing	12	-86.091451	29.67529	23.60882	35.35451	32.12381	29.69632	27.23689	23.67113	22.01751	20.83358	19.89115	22.45177	36.88492	38.12286	37.16501	31.80412	33.22839				
Manufacturing	17	-86.293863	4.628466	7.973957	4.289899	4.532084	4.527405	5.423884	7.926769	9.764605	11.86833	14.71851	9.345717	5.517859	6.633437	5.687008	13.62191	4.899267				
Manufacturing	19	-86.379999	31.14127	29.46896	37.06831	32.74754	31.23053	30.1383	29.4393	31.05371	32.29641	34.16769	27.97085	38.74353	40.38466	39.48579	44.38813	39.83012				
Warehousing & Transportation	4	-86.28365	5.803074	8.467478	4.739058	5.695363	5.701476	6.369519	8.432448	9.863035	11.76103	14.43478	9.918	5.656074	6.51117	5.637433	12.53142	3.698865				
Warehousing & Transportation	57	-86.063188	23.17272	19.76766	22.98905	24.11408	23.08477	21.86867	19.84357	17.00625	15.21202	13.32966	20.85539	23.10098	22.88442	22.54744	6.45173	15.9595				

Figure 8.14 Distance matrix for St. Joseph County.

	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	Elkhart	
	092B	092C	092D	092F	096A	096D	099A	099D	090D	092C	092D	096C	101C	107D	108C						
	092	092	092	092	096	096	099	099	090	092	092	096	101	107	108						
	20 - 092B	20 - 092C	20 - 092D	20 - 092F	20 - 096A	20 - 096D	20 - 099A	20 - 099D	80 - 090D	80 - 092C	80 - 092D	80 - 096C	80 - 101C	80 - 101D	80 - 107D	80 - 108C					
Construction	35	9.230481	8.885508	9.40382	9.148522	5.197162	5.200145	4.241252	4.491794	15.09603	13.66192	13.24037	11.45743	14.64456	21.53746	23.07322					
Manufacturing	5	5.495502	4.936477	5.203257	5.188356	2.913655	2.879307	6.751756	6.36656	7.667225	7.153119	6.835577	9.939866	16.18578	24.75214	26.51077					
Manufacturing	11	26.75017	26.46122	26.97662	26.7074	22.72724	22.7176	18.59393	19.04637	30.97838	28.66373	28.22918	22.17645	18.4491	17.08552	17.2806					
Warehousing & Transportation	18	11.88845	11.59016	12.10604	11.83833	8.073601	8.076401	5.88586	6.280076	17.76099	16.12654	15.6938	12.76597	14.56691	20.45793	21.86255					
Warehousing & Transportation	57	12.41824	12.17863	11.93101	12.17568	13.26525	13.24359	16.40818	15.95525	4.644777	7.515045	7.825672	15.36327	22.36165	31.27883	33.10472					

Figure 8.15 Distance matrix for Elkhart County.

	County	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison	Harrison
	US/State Route	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
	Ramp ID	105D	105A	105D	105H	113A	113B	113C	113D											
	RAMP	105	105	105	105	113	113	113	113											
	Location	64 - 105D	64 - 105A	64 - 105D	64 - 105H	64 - 113A	64 - 113B	64 - 113C	64 - 113D											
Construction	7	-85.79768088	30.94954	31.12674	30.99674	30.88904	19.81869	19.45367	19.40713	19.79955										
Construction	55	-86.12572	0.875703	0.991009	1.043741	1.002297	11.24445	11.60302	11.63621	11.2496										
Manufacturing	9	-85.7648134	33.59347	33.7743	33.64648	33.53723	22.39281	22.30355	21.99182	22.38116										
Manufacturing	48	-86.12654501	2.193554	2.184297	2.065516	2.057335	10.76085	11.08646	11.08443	10.7321										
Manufacturing	71	-86.2671385	20.49443	20.40492	20.54734	20.61154	30.0204	30.38227	30.46	30.07093										
Warehousing & Transportation	12	-85.73268302	35.98062	36.16633	36.04198	35.9307	24.72262	24.36589	24.33746	24.72071										

Figure 8.16 Distance matrix for Harrison County.

	County	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	Tippecanoe	
	US/State Route	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
	Ramp ID	168B	168C	168G	172B	172C	172D	175A	175D	178A	178D	206A	206B	206J							
	RAMP	168	168	168	172	172	172	175	175	178	178	206	206	206							
	Location	65 - 168B	65 - 168C	65 - 168G	65 - 172B	65 - 172C	65 - 172D	65 - 175A	65 - 175D	65 - 178A	65 - 178D	91 - 206A	91 - 206B	91 - 206J							
Construction	10	40.40777	-86.87087005	8.044904	7.924264151	7.944872	4.481543	4.273874	4.301037	5.604807	5.473358	9.834361	9.776827	3.145075	3.2917	3.316641					
Manufacturing	44	40.4211	-86.87266358	8.87995509	8.783307129	8.817895	4.472828	4.259819	4.38383	4.342903	4.200961	8.364432	8.304191	2.369037	2.448343	2.493458					
Manufacturing	70	40.49059	-87.096284	29.222171	29.10420174	29.12531	24.71155	24.51187	24.69551	21.53574	21.43684	19.52906	19.41844	18.11883	18.01004	17.97103					
Manufacturing	76	40.55669	-86.6960808	21.1815078	21.32913378	21.42865	18.57659	18.70417	18.87367	17.02912	17.1807	15.82057	15.94192	22.61584	22.52519	22.58216					
Warehousing & Transportation	23	40.40415	-86.86547474	7.46600497	7.341669141	7.360033	4.182715	3.983219	3.973508	5.836375	5.713118	10.22664	10.17412	3.753356	3.900739	3.925437					

Figure 8.17 Distance matrix for Tippecanoe County.

	County	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	
	US/State Route	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
	Ramp ID	1210	115D	118B	118C	119B	119C	121C	121D	123D	012A	001A	001B								
	RAMP	121	115	118	118	119	119	121	121	123	012	001	001								
	Location	64 - 1210	64 - 115D	64 - 118B	64 - 118C	64 - 119B	64 - 119C	64 - 121C	64 - 121D	64 - 123D	190 - 012A	265 - 001A	265 - 001B								
Construction	7	38.33839	-85.7976809	6.049366	16.39765	11.13819	11.15163	8.49815	8.762123	6.049366	6.13366	6.485151	4.325199	5.073304	5.020883						
Construction	48	38.55186	-86.0483214	32.71942	31.6891	31.60441	31.54973	31.04744	30.90071	32.71942	32.54434	35.40498	35.80271	32.10779	32.08781						
Construction	55	38.23126	-86.12572	25.37472	14.67209	19.99282	19.96949	22.54658	22.27034	25.37472	25.22369	26.75128	30.04672	26.11583	26.16114						
Manufacturing	9	38.337	-85.7648134	8.337527	18.96192	13.65109	13.67078	11.07944	11.3594	8.337527	8.464522	7.946672	4.81371	7.513684	7.467082						
Manufacturing	32	38.68657	-85.7920856	43.02869	48.32615	45.31978	45.28681	43.31097	43.35652												

			County	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd	Floyd
			US/State Rou	265	265	265	265	265	265	265	265	265	265	265	265	265	265	64	64	64
			Ramp ID	001C	001D	003A	003B	003C	003D	004A	004B	004C	004D	004D	004D	004D	1230	123A	123C	
			RAMP	001	001	003	003	003	003	004	004	004	004	004	004	123	123	123	123	
			Location	265 - 001C	265 - 001D	265 - 003A	265 - 003B	265 - 003C	265 - 003D	265 - 004A	265 - 004B	265 - 004C	265 - 004D	64 - 1230	64 - 123A	64 - 123C	64 - 123C	64 - 123C	64 - 123C	
Construction	7	38.33839	-85.7976809	4.896237	4.94102	1.933851	1.644046	1.576957	1.89526	0.54894	0.507075	0.690322	0.720724	6.634658	6.532072	6.542715				
Construction	48	38.55186	-86.0483214	31.79909	31.79668	31.30704	31.39873	31.24682	31.12894	31.71543	31.89373	31.77859	31.60859	35.3964	35.15079	35.35758				
Construction	55	38.23126	-86.12572	26.2107	26.16658	29.11218	29.40683	29.53849	29.20909	30.95975	31.23206	31.32772	31.11025	26.5746	26.46016	26.64072				
Manufacturing	9	38.337	-85.7648134	7.41354	7.457554	4.765165	4.486879	4.443672	4.754758	3.191553	2.916428	2.938736	3.171836	8.124097	8.101156	8.032809				
Manufacturing	32	38.68657	-85.7920856	41.63138	41.65837	39.18757	39.06351	38.82723	38.95317	38.24028	38.21242	38.03013	38.02667	44.88168	44.70508	44.80004				
Manufacturing	48	38.2584	-86.126545	25.36888	25.32593	28.1197	28.4137	28.52525	28.19492	29.94291	30.22263	30.30341	30.07734	26.14239	26.00376	26.2007				
Manufacturing	71	38.08996	-86.2671385	44.55431	44.50957	47.66104	47.94821	48.11631	47.79827	49.50514	49.75492	49.87849	49.68423	43.96207	43.9149	44.04407				
Manufacturing	79	38.60481	-86.163213	42.55741	42.54975	42.39708	42.51399	42.3791	42.23382	42.95722	43.15209	43.04787	42.86566	46.05095	45.80311	46.0219				
Manufacturing	92	38.21021	-85.5526456	28.01679	28.0425	27.09392	26.91463	27.00078	27.21087	26.18947	25.96602	26.049	26.25058	25.477	25.68996	25.45479				
Warehousing & Transportation	12	38.32835	-85.732683	9.901349	9.943011	7.595596	7.334203	7.322453	7.617195	6.14174	5.871828	5.900595	6.13217	9.735493	9.781123	9.652676				
Warehousing & Transportation	19	38.51348	-86.001005	25.98093	25.9803	25.3988	25.48582	25.33119	25.2181	25.78742	25.96496	25.84953	25.6799	29.60275	29.35865	29.56068				

Figure 8.19 Distance matrix for Floyd County part 2.

TABLE 8.2  
Impact of Industry Counts on Ramps by County

County	Construction	Manufacturing	Retail	Warehousing & Transportation	Wholesale	Total
Delaware	3	4	1	2	3	13
Allen	2	4	1	2	3	12
Marion	2	2	3	2	2	11
Porter	2	3	1	2	2	10
Jackson	2	1	3	2	2	10
Huntington	1	2	2	2	3	10
Elkhart	1	2	1	2	2	8
Vermillion	0	3	2	1	2	8
Warrick	1	2	2	1	2	8
Putnam	1	2	2	1	1	7
Hamilton	1	2	0	2	2	7
St. Joseph	2	2	1	1	1	7
Tippecanoe	1	3	1	1	1	7
Hendricks	1	2	0	2	2	7
Clark	0	3	1	2	0	6
Daviess	1	1	1	1	2	6
Kosciusko	2	1	1	1	1	6
Dearborn	1	2	1	1	1	6
Vigo	1	1	2	1	1	6
Ripley	2	2	0	1	0	5

County	Construction	Manufacturing	Retail	Warehousing & Transportation	Wholesale	Total
Bartholomew	1	1	1	1	1	5
Shelby	1	1	1	1	1	5
Miami	1	1	1	1	1	5
Morgan	1	1	1	1	1	5
Wayne	0	2	2	0	1	5
Knox	0	2	1	1	1	5
Johnson	1	1	1	1	1	5
Hancock	1	1	1	0	1	4
Gibson	1	1	1	0	1	4
Harrison	1	1	1	0	1	4
Monroe	0	0	1	1	2	4
Lawrence	0	1	1	1	1	4
Howard	1	1	1	0	1	4
Clinton	0	1	1	0	1	3
Starke	0	1	1	0	1	3
Dubois	1	1	0	1	0	3
Henry	0	1	1	0	1	3
Decatur	0	1	1	0	1	3
Perry	0	1	1	0	0	2
Sullivan	0	1	1	0	0	2
Lagrange	0	2	0	0	0	2
Floyd	1	0	0	0	1	2
Greene	0	1	0	0	0	1
<b>Total</b>	<b>38</b>	<b>68</b>	<b>46</b>	<b>39</b>	<b>52</b>	<b>243</b>

TABLE 8.3  
Industry Cluster Locations Impacting Ramps in a County

County of Nearest Ramp	Cluster ID	Industry	Latitude Cluster	Longitude Cluster	Minimum Distance	US Highway	Ramp
Allen	1	Construction	41.1007	-85.1680	2.69	69	3090
Allen	25	Construction	41.2248	-84.9686	10.49	469	290
Allen	6	Manufacturing	41.0840	-85.1451	4.86	930	008B
Allen	54	Manufacturing	40.8472	-84.9355	19.05	469	013B
Allen	62	Manufacturing	41.1384	-85.4399	18.95	69	305C
Allen	80	Manufacturing	41.1345	-84.8991	2.99	24	157B
Allen	8	Retail	41.0943	-85.1525	3.91	69	3110
Allen	2	Warehousing & Transportation	41.0851	-85.1479	4.97	69	311B
Allen	48	Warehousing & Transportation	41.1321	-85.3747	13.67	69	305C
Allen	5	Wholesale	41.0918	-85.1395	4.37	69	311B
Allen	30	Wholesale	41.1388	-85.4139	16.96	69	305C
Allen	44	Wholesale	41.3133	-84.9025	19.21	24	162C
Bartholomew	16	Construction	39.2286	-85.9000	3.70	31	073C
Bartholomew	15	Manufacturing	39.2086	-85.9328	2.22	65	068B
Bartholomew	2	Retail	39.3230	-85.9687	1.74	65	076D
Bartholomew	11	Warehousing & Transportation	39.2729	-85.9377	1.87	65	074C
Bartholomew	25	Wholesale	39.2101	-85.9461	1.30	65	068B
Clark	9	Manufacturing	38.3370	-85.7648	1.11	65	006D
Clark	32	Manufacturing	38.6866	-85.7921	10.79	65	022C
Clark	92	Manufacturing	38.2102	-85.5526	18.30	265	011B
Clark	22	Retail	38.3398	-85.7752	1.71	65	006G
Clark	12	Warehousing & Transportation	38.3284	-85.7327	1.66	31	005G
Clark	19	Warehousing & Transportation	38.5135	-86.0010	19.58	65	019D
Clinton	69	Manufacturing	40.2537	-86.5605	7.89	65	158A
Clinton	13	Retail	40.1873	-86.5680	10.89	65	158A
Clinton	53	Wholesale	40.2803	-86.5207	11.45	65	158A
Daviess	30	Construction	38.6454	-87.1252	0.95	69	062D
Daviess	53	Manufacturing	38.6685	-87.0905	2.67	69	062B
Daviess	42	Retail	38.6445	-87.1698	4.28	69	062D
Daviess	27	Warehousing & Transportation	38.6744	-87.1586	3.62	69	062C
Daviess	24	Wholesale	38.8404	-87.0691	0.33	69	076A
Daviess	41	Wholesale	38.6341	-87.1918	6.44	69	062D
Dearborn	39	Construction	39.0535	-84.9213	10.57	275	016D
Dearborn	30	Manufacturing	39.1053	-84.8520	2.27	275	016D
Dearborn	90	Manufacturing	39.4030	-84.9943	14.07	74	164D
Dearborn	40	Retail	39.0825	-84.9477	10.63	275	016D
Dearborn	16	Warehousing & Transportation	39.1069	-84.8556	2.37	275	016D
Dearborn	55	Wholesale	39.0534	-84.9234	10.70	275	016D
Decatur	83	Manufacturing	39.3491	-85.4927	1.66	74	134A
Decatur	58	Retail	39.3215	-85.3068	1.58	74	143C
Decatur	54	Wholesale	39.3638	-85.4624	1.29	74	134B
Delaware	5	Construction	40.1721	-85.4334	3.22	67	147C
Delaware	34	Construction	40.0395	-85.7195	15.06	69	234D
Delaware	50	Construction	40.4339	-85.3695	18.04	69	250C
Delaware	21	Manufacturing	40.5089	-85.6439	18.00	69	250C
Delaware	28	Manufacturing	40.1844	-85.4087	4.93	67	147C
Delaware	40	Manufacturing	40.1554	-85.7384	14.82	69	234V
Delaware	43	Manufacturing	39.9759	-85.6162	15.57	69	234D
Delaware	11	Retail	40.1563	-85.5113	6.17	69	234Q
Delaware	1	Warehousing & Transportation	40.2212	-85.4025	4.03	35	048C

TABLE 8.3  
(Continued)

County of Nearest Ramp	Cluster ID	Industry	Latitude Cluster	Longitude Cluster	Minimum Distance	US Highway	Ramp
Delaware	54	Warehousing & Transportation	40.1005	-85.7117	12.12	69	234V
Delaware	27	Wholesale	40.2469	-85.3894	1.86	35	048C
Delaware	38	Wholesale	40.2531	-85.7473	16.19	69	245D
Delaware	61	Wholesale	40.5073	-85.5552	16.34	69	250C
Dubois	27	Construction	38.1474	-86.8864	6.62	64	063A
Dubois	47	Manufacturing	38.3231	-86.9292	14.01	64	063D
Dubois	6	Warehousing & Transportation	38.3115	-86.9351	13.04	64	063D
Elkhart	35	Construction	41.6283	-85.8907	4.15	20	099B
Elkhart	5	Manufacturing	41.6706	-85.9664	2.88	20	096D
Elkhart	11	Manufacturing	41.5945	-85.6833	16.93	80	107A
Elkhart	9	Retail	41.6042	-85.7499	13.12	20	099B
Elkhart	18	Warehousing & Transportation	41.6169	-85.8596	5.78	20	099B
Elkhart	57	Warehousing & Transportation	41.7306	-86.0632	4.62	80	090A
Elkhart	4	Wholesale	41.6762	-85.9107	1.31	20	099N
Elkhart	22	Wholesale	41.7182	-85.6245	4.76	80	108B
Floyd	7	Construction	38.3384	-85.7977	0.51	265	004B
Floyd	12	Wholesale	38.3338	-85.7934	1.07	265	004B
Gibson	12	Construction	38.1619	-87.6959	12.47	64	025A
Gibson	59	Manufacturing	38.3268	-87.5656	1.46	41	027C
Gibson	20	Retail	38.3532	-87.5964	0.10	41	031A
Gibson	58	Wholesale	38.2509	-87.5810	2.72	41	025A
Greene	63	Manufacturing	38.8890	-86.9193	3.07	69	087A
Hamilton	4	Construction	40.0372	-86.1416	0.55	31	132D
Hamilton	13	Manufacturing	40.0122	-86.0322	6.12	69	205B
Hamilton	78	Manufacturing	40.1314	-86.2201	8.70	31	135C
Hamilton	24	Warehousing & Transportation	39.9184	-85.9575	5.81	69	204B
Hamilton	41	Warehousing & Transportation	40.0369	-86.1812	3.82	31	132D
Hamilton	14	Wholesale	39.9872	-86.0135	2.96	69	205B
Hamilton	73	Wholesale	39.9983	-85.7728	12.52	69	210C
Hancock	3	Construction	39.8935	-85.9298	8.13	70	096G
Hancock	37	Manufacturing	39.7954	-85.7779	2.83	70	104A
Hancock	31	Retail	39.8038	-85.7802	1.96	70	104A
Hancock	16	Wholesale	39.7651	-85.7198	6.70	70	107A
Harrison	55	Construction	38.2313	-86.1257	0.88	64	1050
Harrison	48	Manufacturing	38.2584	-86.1265	2.06	64	105H
Harrison	44	Retail	38.2267	-86.1367	1.46	64	105A
Harrison	28	Wholesale	38.2454	-86.1329	0.65	64	105D
Hendricks	19	Construction	39.6300	-86.3789	3.01	70	064A
Hendricks	24	Manufacturing	39.6757	-86.3750	0.82	70	066C
Hendricks	77	Manufacturing	39.9702	-86.5216	8.15	74	057A
Hendricks	14	Warehousing & Transportation	39.7134	-86.3783	4.94	70	066C
Hendricks	38	Warehousing & Transportation	40.0305	-86.4943	15.24	74	057A
Hendricks	60	Wholesale	39.7441	-86.4376	10.12	70	066C
Hendricks	65	Wholesale	39.9648	-86.3896	11.51	74	066D
Henry	50	Manufacturing	39.8981	-85.2481	5.14	70	131C
Henry	50	Retail	39.7928	-85.4075	6.72	70	1230
Henry	63	Wholesale	39.8713	-85.3935	2.54	70	123H
Howard	14	Construction	40.4654	-86.1137	2.63	31	162D
Howard	45	Manufacturing	40.4296	-86.1073	1.59	31	158C
Howard	21	Retail	40.4594	-86.1110	2.48	31	161C

TABLE 8.3  
(Continued)

County of Nearest Ramp	Cluster ID	Industry	Latitude Cluster	Longitude Cluster	Minimum Distance	US Highway	Ramp
Howard	7	Wholesale	40.3980	-86.0928	2.20	31	158A
Huntington	44	Construction	40.8298	-85.3392	1.06	69	286C
Huntington	16	Manufacturing	40.7489	-85.1418	19.80	69	286B
Huntington	52	Manufacturing	40.9091	-85.4910	0.70	24	115D
Huntington	34	Retail	40.5500	-85.6393	17.76	69	273D
Huntington	48	Retail	41.0015	-85.5967	14.22	24	115D
Huntington	22	Warehousing & Transportation	40.8911	-85.3511	2.47	69	289B
Huntington	49	Warehousing & Transportation	40.7321	-85.1952	16.98	69	286A
Huntington	3	Wholesale	40.7376	-85.1730	18.15	69	286A
Huntington	33	Wholesale	40.8694	-85.4905	3.92	24	115B
Huntington	66	Wholesale	40.9929	-85.6854	19.49	24	115D
Jackson	33	Construction	39.0070	-85.6232	19.26	65	050B
Jackson	42	Construction	38.9597	-85.8501	0.40	65	049D
Jackson	75	Manufacturing	38.9534	-85.8764	2.65	65	049D
Jackson	16	Retail	38.9441	-85.8979	4.71	65	049D
Jackson	62	Retail	39.0198	-85.6397	18.15	65	050B
Jackson	63	Retail	38.6895	-85.7883	10.71	65	036B
Jackson	33	Warehousing & Transportation	39.0069	-85.6145	19.99	65	050B
Jackson	37	Warehousing & Transportation	38.9392	-85.8908	4.36	65	049D
Jackson	17	Wholesale	38.8925	-85.9040	8.75	65	049A
Jackson	46	Wholesale	39.0243	-85.6339	18.76	65	050B
Johnson	21	Construction	39.5575	-86.1101	5.10	65	097D
Johnson	31	Manufacturing	39.5293	-86.0615	2.76	65	095D
Johnson	14	Retail	39.5618	-86.1173	5.33	65	097D
Johnson	10	Warehousing & Transportation	39.4962	-86.0628	4.28	65	090C
Johnson	6	Wholesale	39.5740	-86.0994	3.34	65	097D
Knox	56	Manufacturing	38.6671	-87.5168	0.78	41	054D
Knox	65	Manufacturing	38.7827	-87.3178	16.15	41	058B
Knox	43	Retail	38.6688	-87.5098	0.64	41	054C
Knox	39	Warehousing & Transportation	38.6791	-87.5236	2.22	41	054C
Knox	52	Wholesale	38.6894	-87.5002	0.67	41	056D
Kosciusko	18	Construction	41.3175	-85.9605	10.38	30	090D
Kosciusko	29	Construction	41.2201	-85.7735	8.49	30	900
Kosciusko	4	Manufacturing	41.2718	-85.8445	0.94	30	090H
Kosciusko	26	Retail	41.2824	-85.8606	1.68	30	090D
Kosciusko	44	Warehousing & Transportation	41.2637	-85.8362	1.56	30	900
Kosciusko	67	Wholesale	41.2631	-85.8842	2.42	30	090A
Lagrange	26	Manufacturing	41.7036	-85.4223	5.59	80	1200
Lagrange	86	Manufacturing	41.6939	-85.1740	13.83	80	126B
Lawrence	20	Manufacturing	38.8360	-86.4895	1.55	50	065C
Lawrence	41	Retail	38.8361	-86.5070	0.71	50	065C
Lawrence	40	Warehousing & Transportation	38.8594	-86.4809	3.92	50	065C
Lawrence	11	Wholesale	38.8672	-86.4801	4.71	50	065C
Marion	2	Construction	39.8115	-86.1412	2.14	65	116A
Marion	8	Construction	41.5589	-87.4229	9.45	465	035J
Marion	1	Manufacturing	39.7988	-86.1542	0.92	65	115B
Marion	10	Manufacturing	41.5670	-87.4169	9.29	465	035J
Marion	1	Retail	39.8373	-86.1363	3.96	65	116B
Marion	6	Retail	41.5176	-87.3881	14.75	465	035J
Marion	12	Retail	39.7401	-86.3868	7.46	70	069B

TABLE 8.3  
(Continued)

County of Nearest Ramp	Cluster ID	Industry	Latitude Cluster	Longitude Cluster	Minimum Distance	US Highway	Ramp
Marion	3	Warehousing & Transportation	39.7843	-86.1803	1.09	65	114C
Marion	5	Warehousing & Transportation	41.5705	-87.4064	9.81	465	035J
Marion	1	Wholesale	39.7901	-86.1852	1.62	65	114C
Marion	20	Wholesale	41.5817	-87.4849	4.19	465	035J
Miami	40	Construction	40.7556	-86.0571	6.02	24	077B
Miami	74	Manufacturing	40.7600	-86.0754	4.39	24	077B
Miami	29	Retail	40.7549	-86.2654	11.47	24	077D
Miami	17	Warehousing & Transportation	40.7513	-86.1270	0.19	31	190D
Miami	62	Wholesale	40.7766	-86.0979	2.40	24	077C
Monroe	24	Retail	39.1699	-86.5306	2.71	69	120A
Monroe	8	Warehousing & Transportation	39.1508	-86.5418	2.61	69	117B
Monroe	23	Wholesale	39.1546	-86.5675	0.58	69	117B
Monroe	75	Wholesale	39.2920	-86.7540	19.46	69	123C
Morgan	46	Construction	39.3698	-86.2357	18.26	37	119C
Morgan	93	Manufacturing	39.4175	-86.4207	2.42	37	119C
Morgan	30	Retail	39.4166	-86.4131	2.93	37	119C
Morgan	43	Warehousing & Transportation	39.4266	-86.4289	2.75	37	119C
Morgan	51	Wholesale	39.4102	-86.4271	1.54	37	119C
Perry	73	Manufacturing	37.9797	-86.7551	4.99	545	001F
Perry	23	Retail	37.9158	-86.7421	11.59	545	001F
Porter	9	Construction	41.5676	-87.1331	3.76	80	023C
Porter	23	Construction	41.6421	-86.7782	18.15	94	029A
Porter	23	Manufacturing	41.5485	-87.0676	1.73	6	009A
Porter	29	Manufacturing	41.6419	-86.7668	19.10	94	029A
Porter	88	Manufacturing	41.3172	-86.9590	15.97	30	026A
Porter	7	Retail	41.5849	-86.9424	7.78	94	029A
Porter	13	Warehousing & Transportation	41.6732	-86.8272	14.50	94	029A
Porter	20	Warehousing & Transportation	41.5226	-87.0919	4.65	6	009A
Porter	8	Wholesale	41.6865	-86.8566	12.65	94	029A
Porter	43	Wholesale	41.5562	-87.1383	4.06	80	023C
Putnam	47	Construction	39.5359	-87.0652	15.98	70	037D
Putnam	51	Manufacturing	39.6374	-86.8369	11.87	70	041D
Putnam	85	Manufacturing	39.5315	-87.0849	17.65	70	037D
Putnam	32	Retail	39.3698	-86.7855	18.10	70	041B
Putnam	64	Retail	39.6461	-86.8251	12.64	70	041D
Putnam	28	Warehousing & Transportation	39.5148	-86.7939	2.01	70	041B
Putnam	74	Wholesale	39.6374	-86.8318	11.79	70	041D
Ripley	17	Construction	39.1677	-86.5563	1.43	69	118B
Ripley	36	Construction	39.3154	-85.1320	4.46	74	152C
Ripley	64	Manufacturing	39.1681	-86.5672	0.56	69	118B
Ripley	68	Manufacturing	39.2707	-85.1593	2.34	74	152C
Ripley	7	Warehousing & Transportation	39.2422	-85.1393	5.27	74	156A
Shelby	51	Construction	39.5345	-85.8265	4.60	74	113A
Shelby	38	Manufacturing	39.5349	-85.7842	1.79	74	113A
Shelby	53	Retail	39.5275	-85.7675	2.52	74	113B
Shelby	46	Warehousing & Transportation	39.6809	-85.6865	15.80	74	109C
Shelby	37	Wholesale	39.5471	-85.7910	1.25	74	113A
St. Joseph	24	Construction	41.6834	-86.2669	2.89	23	039D

TABLE 8.3  
(Continued)

County of Nearest Ramp	Cluster ID	Industry	Latitude Cluster	Longitude Cluster	Minimum Distance	US Highway	Ramp
St. Joseph	37	Construction	41.3633	-86.2910	19.32	31	239D
St. Joseph	12	Manufacturing	41.4495	-86.0915	16.18	31	239A
St. Joseph	17	Manufacturing	41.6889	-86.2939	4.08	20	071B
St. Joseph	5	Retail	41.6781	-86.1100	6.27	20	086C
St. Joseph	4	Warehousing & Transportation	41.6966	-86.2837	3.13	80	077A
St. Joseph	19	Wholesale	41.6709	-86.2605	1.66	23	039D
Starke	67	Manufacturing	41.2932	-86.6423	11.18	30	048J
Starke	19	Retail	41.2525	-86.6780	16.28	30	048J
Starke	57	Wholesale	41.2564	-86.7208	17.26	30	048A
Sullivan	72	Manufacturing	39.1025	-87.4001	3.60	52	999C
Sullivan	17	Retail	39.0269	-87.4234	5.04	52	999C
Tippecanoe	10	Construction	40.4078	-86.8709	3.15	91	206A
Tippecanoe	44	Manufacturing	40.4211	-86.8727	2.37	91	206A
Tippecanoe	70	Manufacturing	40.4906	-87.0963	16.61	52	044H
Tippecanoe	76	Manufacturing	40.5567	-86.6961	15.82	65	178A
Tippecanoe	15	Retail	40.4012	-86.8686	3.77	91	206A
Tippecanoe	23	Warehousing & Transportation	40.4042	-86.8655	3.75	91	206A
Tippecanoe	26	Wholesale	40.3606	-86.8353	4.51	65	168G
Vermillion	60	Manufacturing	40.1884	-87.2990	14.76	74	004C
Vermillion	82	Manufacturing	39.8406	-87.2182	16.92	36	007D
Vermillion	91	Manufacturing	39.9115	-87.4203	12.45	36	007D
Vermillion	46	Retail	39.7765	-87.2377	14.62	36	007C
Vermillion	59	Retail	40.1228	-87.4508	0.23	74	004C
Vermillion	53	Warehousing & Transportation	39.6909	-87.4152	11.44	36	007G
Vermillion	36	Wholesale	40.2814	-87.4502	17.81	74	004C
Vermillion	56	Wholesale	39.8210	-87.3037	9.29	36	007D
Vigo	15	Construction	39.4670	-87.4024	3.41	41	114C
Vigo	34	Manufacturing	39.4704	-87.3681	4.82	41	114C
Vigo	3	Retail	39.4466	-87.3971	2.12	70	007C
Vigo	57	Retail	39.5062	-87.1231	19.60	70	011A
Vigo	56	Warehousing & Transportation	39.4326	-87.4195	0.37	70	007A
Vigo	21	Wholesale	39.4518	-87.3836	3.33	70	007C
Warrick	11	Construction	38.0195	-87.5411	9.32	69	70
Warrick	2	Manufacturing	38.0139	-87.5434	9.20	69	70
Warrick	66	Manufacturing	38.0133	-87.3121	12.41	69	007B
Warrick	4	Retail	38.0053	-87.5141	6.49	69	70
Warrick	67	Retail	38.1175	-86.9573	10.97	64	054C
Warrick	15	Warehousing & Transportation	38.0139	-87.5174	7.25	69	70
Warrick	13	Wholesale	38.0306	-87.5160	8.36	69	70
Warrick	72	Wholesale	38.1664	-86.9698	6.37	64	054C
Wayne	3	Manufacturing	39.8375	-84.8944	3.77	70	151A
Wayne	57	Manufacturing	39.6826	-85.1383	18.92	70	137B
Wayne	33	Retail	39.8410	-84.8655	2.89	70	1530
Wayne	65	Retail	39.6788	-85.1358	19.35	70	137B
Wayne	18	Wholesale	39.8339	-84.9094	3.86	70	149B

## 9. OPTIMIZATION MODELING

The aim is to build a scenario-based optimization model to minimize our overall cost because of ramp congestion across all counties and the associated cost of capacity increase to facilitate smooth flow of freight vehicles either by constructing a new ramp lane or by diverting the flow to another ramp which leads to the same industry cluster as the congested ramp.

Two models were built. Firstly, we discuss the single-county model which considers capacity increase only through an addition in ramps within the same county.

### 9.1 Single-County Model

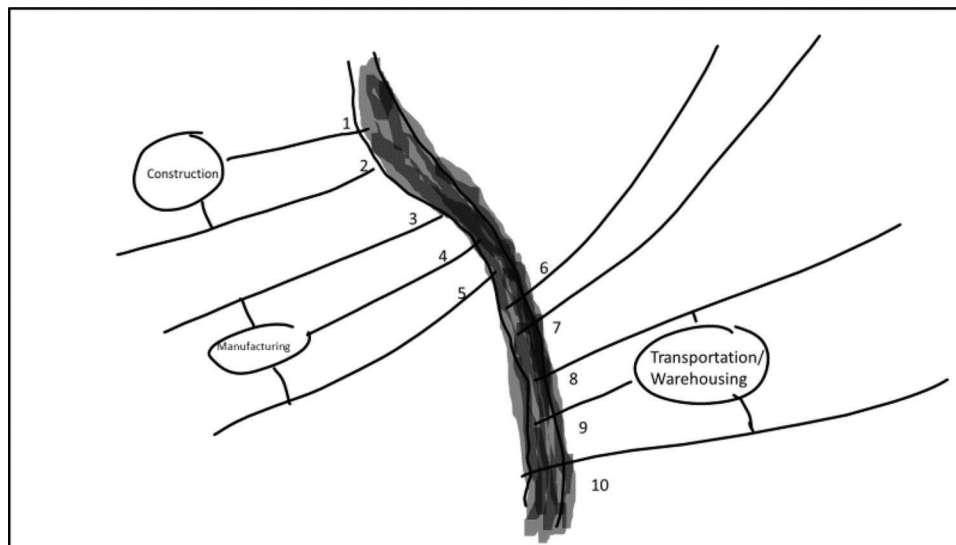
We now present a model that anticipates potential freight growth across industry clusters and pre-emptively adds capacity to alleviate congestion. In order to represent the uncertainty in industry growth, we use scenarios i.e., significant industry shifts as a mechanism to represent potential freight growth. Since most counties have different levels of employment across industry clusters, as has been discussed earlier, we maintain those details for a county level model. Similarly, the physical locations of the clusters within a county, as well as the locations of the industry clusters may be different by county. Finally, an exit ramp is followed by a local road to get to the cluster location, so when capacity and congestion are considered, we consider the entire path up to the cluster.

In this section, we provide a small example to build intuition regarding the model. We present the required input data, then present a mathematical description of the problem, generate optimal decisions and develop intuition regarding the impact of varying parameters.

Consider Figure 9.1 as a sample county with a major interstate that is used to bring in or take freight from the clusters, that has 10 ramps that lead from the interstate to local roads to destinations. The three clusters we consider are construction, manufacturing and transportation/warehousing, located at different parts of the county and closer to different ramps from the interstate.

Note that Figure 9.1 suggests that ramps 1 and 2 are close to the construction cluster, ramps 3, 4, and 5 are close to the manufacturing cluster and ramps 8, 9 and 10 are close to the transportation cluster. In the absence of any capacity constraints, we expect that these ramps will be used to access each of these industry clusters in the county. As such, they would also be the lowest cost access to these clusters, assuming that speed limits etc. are similar.

Given these ramps and local roads, the associated driving cost (miles \* cost per mile) is represented in Table 9.1. For each ramp, assume that the ramps have a base capacity in trucks per hour, and a cost to add capacity and associated capacity expansion that are represented in Table 9.2.



**Figure 9.1** An example county with three industry clusters with an interstate, ramps, and local roads to the clusters.

**TABLE 9.1**  
**Driving Cost**

Ramp to Cluster Location Driving Cost										
Ramp #	1	2	3	4	5	6	7	8	9	10
Manufacturing	20	20	5	5	5	20	30	40	50	60
Transportation/Warehousing	50	40	30	30	30	30	20	5	5	5
Construction	5	5	20	20	20	30	40	50	60	70



TABLE 9.2  
Cost of Adding Capacity

Ramp Base Capacity	100	100	100	100	100	100	100	100	100	100
Ramp Cost	10,000	10,000	20,000	20,000	10,000	10,000	20,000	10,000	20,000	20,000
Ramp Add Capacity	200	200	200	200	200	200	200	200	200	200

TABLE 9.3  
Projected Freight Traffic

Scenarios	Periods	
	1	2
<i>1</i>		
Manufacturing	500	600
Transportation	300	300
Construction	200	200
<i>2</i>		
Manufacturing	500	500
Transportation	1,000	1,200
Construction	200	200
<i>3</i>		
Manufacturing	200	200
Transportation	300	300
Construction	800	900

The ramp expansion costs may differ based on the ramp location and layout, as can the capacity that can be added. The cost in Table 9.2 represents the capital investment that must be planned by INDOT in advance of the realized freight by scenario. Given the lead time to get budgetary (legislative) approval and manage the construction, this capacity is not available unless planned.

Next, consider two time periods and projected freight by industry for each of the three industries as shown in Table 9.3.

As shown above, scenario 1 shows manufacturing with modest growth from period 1 to period 2, transportation showing a large growth in scenario 2 and construction showing a large growth in scenario 3. Given the variance in growth across clusters, the question is how to plan for capacity expansion. Each of these scenarios occurs with a probability that is specified by the planner. For the example we used 34%, 33%, and 33% respectively for each of the three scenarios. Note that the option of NO capacity addition will result in congestion i.e., freight flow exceeding capacity. If the freight flow on ramps does not adjust to congestion, then we get the results already provided earlier by scenario.

We expect that industries will choose optimal routes to minimize their costs, and that freight will be distributed across different ramps. This choice of additional driving distance to reduce congestion is captured by optimizing the flow across ramps while monitoring the excess freight beyond capacity, defined as congestion. We introduce three terms to describe congestion. The first term is the cost per unit of freight that exceeds capacity, reflecting a lateness penalty. The sample values for this example were a cost per unit of freight

congestion depicted by UD which was set at 10 and then varied to generate tradeoffs. The second is an acceptable delay that does not create a competitiveness impact called CX. For this example, we set CX to be 50, then vary it to generate tradeoffs. The third is a planned expected amount of congestion, beyond the acceptable level CX that the planner considers when adding capacity called Econg. We initially set Econg at 50, then vary it to generate tradeoffs.

We next describe a mathematical model to optimize capacity addition while maintaining the desired expected congestion level. In this model, capacity is added to ramps ahead of scenario realizations and before the two periods of freight, while industry flow on ramps is optimized to manage travel costs and congestion costs as well as the upfront capacity addition costs. The description for variables used in the model is given below.

$i$  – County identifier.

$j$  – Ramp into county identifier. Ramp  $j = 1, 2, \dots, R(i)$  for county  $i$ .

$k$  – Scenario identifier. Scenario  $k = 1, 2, \dots, K$ .

$t$  – Time period identifier. Time  $t = 1, 2, \dots, T$ .

$m$  – Industry cluster identifier.

$q(k)$  – Probability of occurrence of each scenario  $k$ .

$F(i, m, k, t)$  – Freight headed to industry cluster  $m$  in county  $i$  in period  $t$  for scenario  $k$ .

$X(i, j, m, k, t)$  – Flow decision. Flow through ramp  $j$  in county  $i$  headed to industry cluster  $m$  for scenario  $k$  at time period  $t$ . Note:  $\sum(j) X(i, j, m, k, t) = F(i, m, k, t)$ .

$CD(i, j, m)$  – Cost associated with the distance traveled from the ramp  $i$  to the industry cluster  $m$  (in county  $i$ ).

$C0(i, j)$  – Base capacity of each ramp  $j$  in county  $i$ .

$CN(i, j)$  – Capacity that can be added to each ramp  $j$  in county  $i$ . Additional capacity available for  $t$  periods and all scenarios.

$P(i, j)$  – Cost associated with increasing capacity of each ramp  $j$  in county  $i$  by  $CN(i, j)$ .

$Y(i, j)$  – A zero one variable if set to 1, increases capacity by  $CN(i, j)$ .

$EX(i, j, k, t)$  – Flow in excess of the capacity on ramp  $j$  in county  $i$  under scenario  $k$  in period  $t$ . This is a measure of congestion i.e., larger this value, larger the congestion.

$UD$  – Disutility associated with congestion. We add it just to get flows to try to remain within capacity.

$CX(i, j)$  – Target congestion for ramp  $j$  in county  $i$ .

$AXE(i, j, k, t)$  – Observed downside i.e., congestion beyond the level  $CX(i, j)$  in period  $t$ .

$Econg$  – Expected congestion beyond the threshold values  $CX(i, j)$  across all scenarios, exits etc.

Our target is to keep the probability weighted excess flow beyond a threshold of excess across periods to be below an expected delay—this is defined as  $\Sigma(i,j,k,t) q(k) AXE(i,j,k,t)$ . The goal is to minimize overall costs across all scenarios subject to a constraint on the expected delay beyond a threshold (downside risk) constraint. Thus, we have Equations 9.1 through 9.9.

$$\text{Min} \sum_{(i,j)} Y(i,j) * P(i,j) + \sum_{(i,j,m,k,t)} CD(i,j,m) * X(i,j,m,k,t) + \sum UD * EX(i,j,k,t) \quad (\text{Eq. 9.1})$$

$$\sum_{(j)} X(i,j,m,k,t) = F(i,m,k,t) \quad (\text{Eq. 9.2})$$

$$EX(i,j,k,t) \geq \sum_{(m)} X(i,j,m,k,t) - (C_0(i,j) + Y(i,j)CN(i,j)) \forall j,k,t \quad (\text{Eq. 9.3})$$

$$AXE(i,j,k,t) \geq EX(i,j,k,t) - CX(i,j) \forall i,j,k,t \quad (\text{Eq. 9.4})$$

$$\sum_{(i,j,k,t)} q(k) AXE(i,j,k,t) \leq ECONG \quad (\text{Eq. 9.5})$$

$$Y = 0 \text{ or } Y = 1 \quad (\text{Eq. 9.6})$$

$$X \geq 0 \quad (\text{Eq. 9.7})$$

$$EX \geq 0 \quad (\text{Eq. 9.8})$$

$$AXE \geq 0 \quad (\text{Eq. 9.9})$$

The model described here is a Mixed Integer Programming model (MIP). Such models can be solved using many possible solvers, we chose an open-source solver called opensolver (<https://opensolver.org/>) which can be downloaded from the web and added to Excel as an add-in.

### 9.1.1 Single County Results

In this section we present the analysis and results obtained after running the counties that were identified as congested in Section 7.1 through the Mixed Integer Programming model. The output of the model allows the planner to decide in advance where additional capacity needs to be added while considering various scenario possibilities. In our analysis only counties that showed a considerable number of its ramps that go out of capacity in the near future are selected.

**9.1.1.1 Model input. Scenario Probabilities:** User is given a choice to decide what scenario to plan for. Each scenario has an associated probability of it happening. Therefore, a decision can be made by taking multiple scenarios into account. In our analysis, five different SSP scenarios are considered. They have largely different GDP predictions and industry growth resulting in

different freight growth under each condition. We set the values of each of the 5 scenarios equal to 0.2.

**Ramp Selection:** Not all ramps within a county add to congestion. Often these can be attributed to a select few that has high freight numbers travelling through it. In our analysis we assume that most freight take the interstate rather than the state roads or county roads. Therefore, all exits on an interstate that led into the county are considered. If multiple ramps are available at an exit, we select the ramps that have the most trucks passing through it. At all other exits at least one ramp is selected for analysis so that we can study if these routes can act as an alternate route to reach industry clusters of a county. The state roads that have large freight numbers contributing to its congestion are also considered.

**Industry Cluster Location:** As discussed in Section 8, all industry clusters in the vicinity of ramps within a county are found. The analysis provided in this report identifies a few industries that contribute the most to freight traffic namely, manufacturing industry, construction industry and warehousing and transportation industry. All clusters belonging to these industries that lie within a 20 km range of any ramp of the county are mapped against all the ramps included in the model to obtain a distance matrix. This gives the relative closeness of the ramp to the industry locations and is an indication of the route that the freight might take to reach these locations.

**Freight Demand:** The aggregated freight demand of the county for a future year is calculated as mentioned in Section 6.4. In our model the truck volumes are predicted for five different SSP scenarios and three different future years 2030, 2040, and 2050. We assume that the source of entire freight demand is generated from the three industries identified and the contribution of other industries are not considered. The individual demand of each industry is considered to be in proportion of their relative GDP values. The total freight demand is divided among these three industries in proportion of their GDP for each selected scenario and period. Further if multiple clusters of each type of industry is present then the freight volume for each industry is divided equally among all its clusters.

**Ramp Capacity:** For each of the identified ramps, capacity is calculated in terms of truck numbers as mentioned in Section 7. The base capacity can increase if a ramp construction happens at that location.

**Construction Costs:** Here the construction refers to adding capacity to an exit either by adding lanes to existing ramps or building new ramps. The cost associated with this construction can vary according to the location and type of project. For our modelling we have considered an average construction cost of \$1,500,000 at a ramp location that can increase the ramp capacity by 200 trucks. This value can be changed by the user

if actual costs of increasing capacity at a location is already known.

*Modifiable Parameters:* For our analysis we changed the values of UD, cost per unit of freight congestion, between 10 and 500 to see the trade-offs. Increasing UD increases the delay cost forcing the system to find a route devoid of congestion. The ECONG parameter, a measure of flow over acceptable congestion, was also varied to see if a construction was forced. The CX parameter, measure of flow over capacity was kept at 20. All these parameters can be changed by the planner to meet their requirements.

First, the scenario parameters were defined. Each scenario was allocated equal probability. In Table 9.4 we present the model parameters and the results for Tippecanoe County.

Thirteen ramps in Tippecanoe County were identified for analysis. A distance matrix is plotted against the five industry clusters that were within a range of 20 km with any of the ramps (Table 9.5). This is the measure of transportation cost of taking a ramp to reach an industry location. Construction cost of \$1.5 million was considered at each of these locations that can increase the truck capacity by 200 units per hour.

Next the freight volume division per industry cluster was predicted for 5 scenarios and 3 time periods (Table 9.6). The relative GDP size of each industry was used to find the percentage of freight distributed to each industry type.

The mixed integer programming model was run 20 times with varying UD and ECONG parameters. The costs associated with transportation, delays and construction are tabulated in Table 9.7.

We observe that construction costs decrease as ECONG increases as it relaxes the criteria for congestion and hence does not force new construction. Delay costs increase as for the higher values of ECONG as it penalizes the flow beyond capacity. As expected for higher values of UD, the penalty for going over the capacity limit is higher.

Table 9.8 displays the location of new ramp construction for various ECONG values. The new constructions are seen near exit 206 of highway 91 as it is close to the industry clusters and can expect heavy truck volume. Expanding this exit also means that the trucks can now take the shortest route to industry locations without having to face the delay due to congestion.

We now take a closer look at the relation between ECONG value and various costs associated with it. We first vary the term ECONG i.e., the expected congestion constraint across all scenarios and periods. Intuitively, as this parameter decreases, we expect it to

TABLE 9.4  
Scenario Probability Parameter for Tippecanoe County

Probability q(k)	SSP1	SSP2	SSP3	SSP4	SSP5
	0.2	0.2	0.2	0.2	0.2

TABLE 9.5  
Distance Matrix of Industry Clusters and Ramps in Tippecanoe County

County	Tippecanoe													
	Ramp Capacity	317	302	370	96	226	226	176	188	160	161	162	244	78
Industry	ID	65-168B	65-168C	65-168G	65-172B	65-172C	65-172D	65-175A	65-175D	65-178A	65-178D	91-206A	91-206B	91-206J
Construction	10	8.0	7.9	7.9	4.5	4.3	4.3	5.6	5.5	9.8	9.8	3.1	3.3	3.3
Manufacturing	44	8.9	8.8	8.8	4.5	4.3	4.4	4.3	4.2	8.4	8.3	2.4	2.4	2.5
Manufacturing	70	29.2	29.1	29.1	24.7	24.5	24.7	21.5	21.4	19.5	19.4	18.1	18.0	18.0
Manufacturing	76	21.2	21.3	21.4	18.6	18.7	18.9	17.0	17.2	15.8	15.9	22.6	22.5	22.6
Warehousing	23	7.5	7.3	7.4	4.2	4.0	4.0	5.8	5.7	10.2	10.2	3.8	3.9	3.9

TABLE 9.6  
Freight Division within Industry Clusters for Tippecanoe County

	Cluster	2030	2040	2050
SSP1	Construction	241	313	376
	Manufacturing	589	766	921
	Manufacturing	589	766	921
	Manufacturing	589	766	921
	Transportation	134	175	210
SSP2	Construction	225	276	320
	Manufacturing	552	675	784
	Manufacturing	552	675	784
	Manufacturing	552	675	784
	Transportation	126	154	179
SSP3	Construction	203	231	248
	Manufacturing	497	565	607
	Manufacturing	497	565	607
	Manufacturing	497	565	607
	Transportation	113	129	139
SSP4	Construction	234	300	353
	Manufacturing	574	734	864
	Manufacturing	574	734	864
	Manufacturing	574	734	864
	Transportation	131	167	197
SSP5	Construction	271	387	516
	Manufacturing	663	948	1,264
	Manufacturing	663	948	1,264
	Manufacturing	663	948	1,264
	Transportation	151	216	288

TABLE 9.7  
Optimization Model Results for Tippecanoe County

Run No.	UD	ECONG	Transportation Cost	Delay Cost	Construction Cost
1	10	0	85,722	294	6,000,000
2	10	20	86,137	694	4,500,000
3	10	50	86,047	694	4,500,000
4	10	100	88,108	1,494	1,500,000
5	10	500	89,805	1,894	0
6	50	0	85,722	1,470	6,000,000
7	50	20	86,137	3,470	4,500,000
8	50	50	86,047	3,470	4,500,000
9	50	100	88,108	7,470	1,500,000
10	50	500	89,805	9,470	0
11	100	0	85,722	2,940	6,000,000
12	100	20	86,137	6,940	4,500,000
13	100	50	86,047	6,940	4,500,000
14	100	100	88,108	14,940	1,500,000
15	100	500	89,805	18,940	0
16	500	0	85,722	14,699	6,000,000
17	500	20	86,137	34,699	4,500,000
18	500	50	86,047	34,699	4,500,000
19	500	100	88,108	74,699	1,500,000
20	500	500	89,805	94,699	0

TABLE 9.8  
Ramp Expansion Recommendation Location as per MIP Model for Tippecanoe County

ECONG	Ramp Identifier												
	65-168B	65-168C	65-168G	65-172B	65-172C	65-172D	65-175A	65-175D	65-178A	65-178D	91-206A	91-206B	91-206J
0	0	0	0	0	0	0	0	0	1	0	1	1	1
20	0	0	0	0	0	0	0	0	0	0	1	1	1
50	0	0	0	0	0	0	0	0	0	0	1	1	1
100	0	0	0	0	0	0	0	0	0	0	1	0	0

be optimal to expand capacity by adding ramp capacity and thus incurring capital costs. Figure 9.2 shows this impact.

We next consider the impact of ECONG on the cost of distance driven by trucks across scenarios and periods (see Figure 9.3). This graph has an upward trend with respect to ECONG because with lower capacity, and a penalty for delay at a ramp, there is a benefit to travel a longer distance.

As ECONG parameter is relaxed, the flows are no longer restricted to CX limit set beyond the capacity number. Trucks continue to take shorter routes although it is congested. This significantly drives up the delay cost associated with truck transfer (see Figure 9.4). The higher delay cost encourages the trucks to take a longer route with no delay due to congestion.

We find comparable results across other counties when run through the optimization model. The change in transportation and construction costs with various ECONG values are illustrated below in Figures 9.5 through 9.16.

Table 9.9 through Table 9.14 show the location of ramps that need to be expanded based on the recommendation of the MIP model. The number 1 shown under each ramp location indicates that the ramp capacity increase is required under that particular ECONG condition.

### 9.2 Two-County Model That Shares Ramp and Road Capacities

We now consider two counties that are adjacent to each other. They can thus share ramp and road capacities that can provide access to industry clusters in their respective counties. Consider Figure 9.17

In Figure 9.17, note that ramps 1 through 5 in I-1 primarily lead to locations in county 1. However, ramps 6 through 10 in I-1 can also access locations in county 2, while ramps 1 through 5 in I-2 are primarily leading to roads in county 2. We can thus consider ramps 6 through 10 as enabling access to both locations in county 1 and locations of industry clusters in county 2. Following the logic in the single county case, we would expect addition of capacity to 6 through 10 in I-1 as enabling both capacity satisfaction of industry clusters in counties 1 and 2.

The mathematical model only needs to record the shared ramp and road capacity, and this record congestion as the result of the sum of flows to industries

Capital Cost vs ECONG

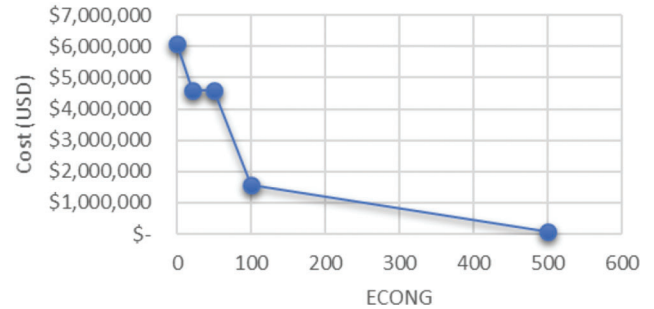


Figure 9.2 Impact of ECONG on capital cost for Tippecanoe County.

Transportation Cost vs ECONG

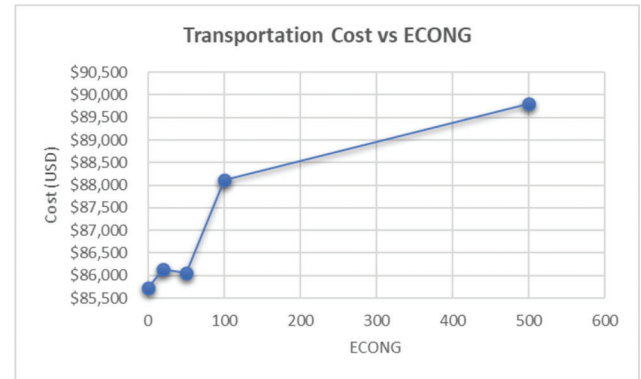


Figure 9.3 Impact of ECONG on transportation cost for Tippecanoe County.

Delay Cost vs ECONG

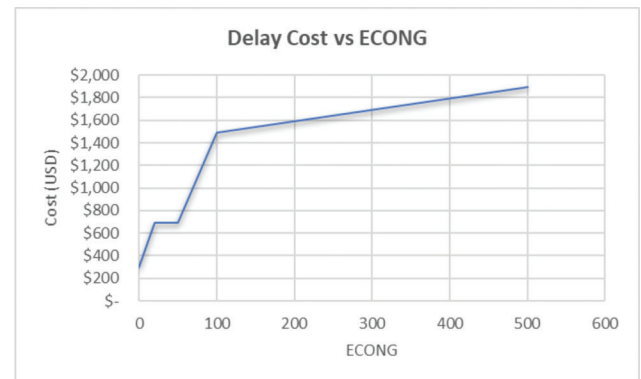


Figure 9.4 Impact of ECONG on delay cost for Tippecanoe County.

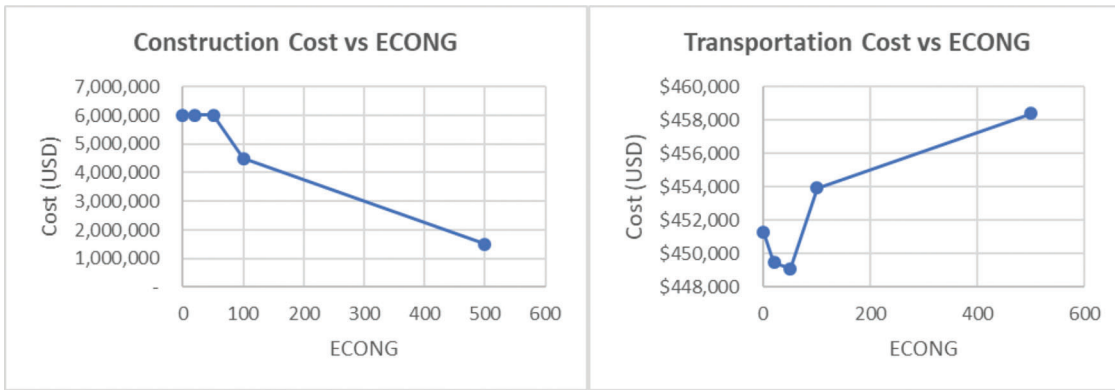


Figure 9.5 Construction cost and transportation cost variation with Econg for Allen County.

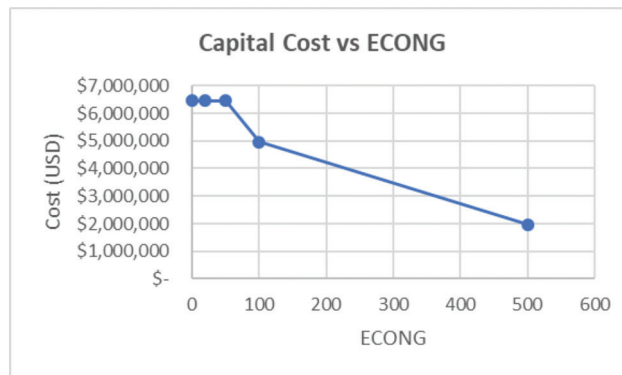


Figure 9.6 Impact of Econg on capital cost for Allen County.

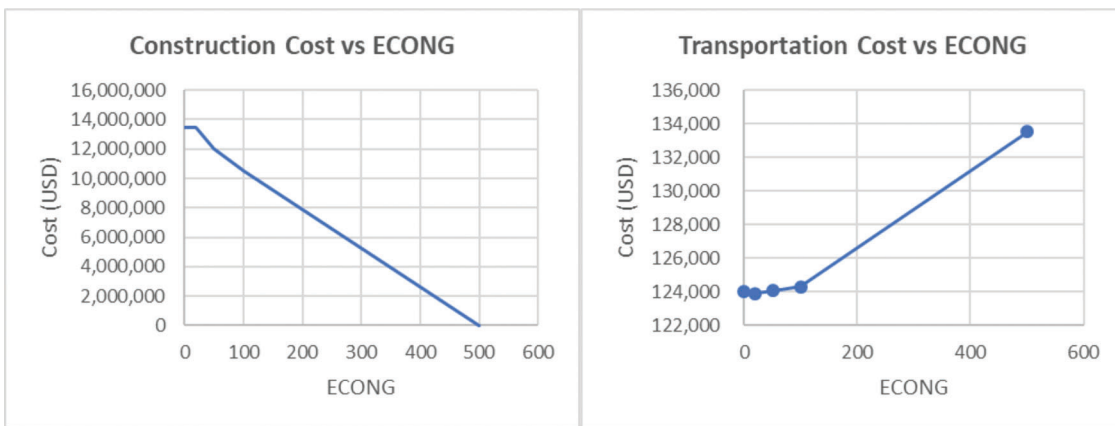


Figure 9.7 Construction cost and transportation cost variation with Econg for Elkhart County.

in counties 1 and 2 for ramps 6 through 10 in I-1. The rest of the model remains the same.

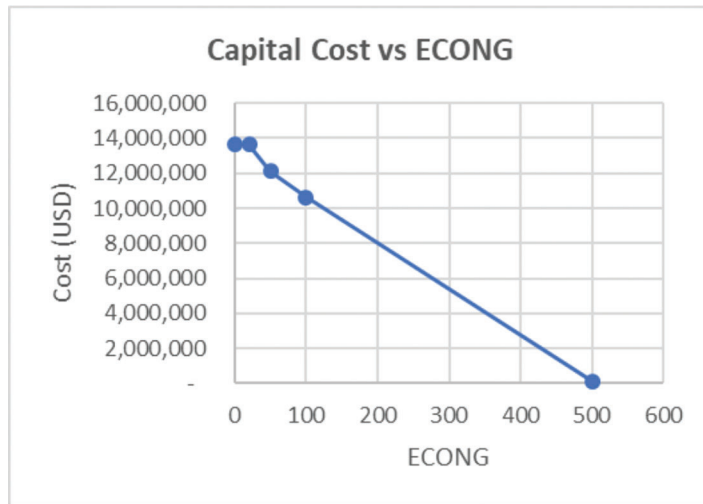
Examples of counties that are adjacent to each other and can share ramps at their boundary are provided in the next sections.

### 9.2.1 Two County Model Results

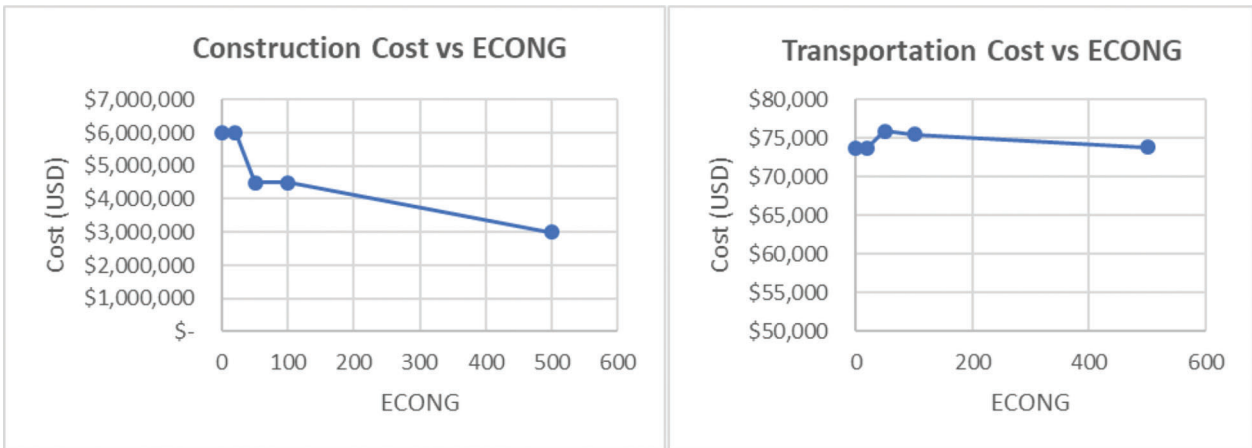
A set of two adjacent counties that had high degree of congestion was identified first. The ramps that lead from one county to another and vice versa were selected

as the common ramps that can facilitate freight flow between the counties.

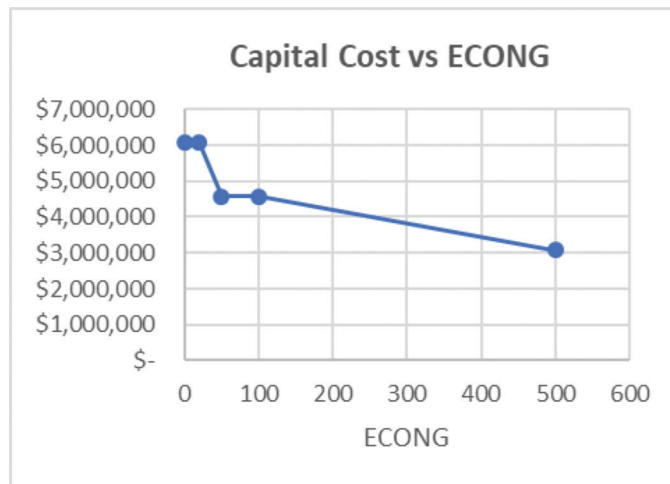
In Table 9.15 we consider an example of two adjacent counties: Elkhart and St. Joseph. A set of 32 ramps were identified that cater to St. Joseph County alone. Similarly, a set of 11 ramps cater to Elkhart County. US 20 passes through both St. Joseph and Elkhart counties. The closest exits on US 20 in the two counties were identified as the common ramps that can cater to the industry clusters in both the counties, six such ramps were identified.



**Figure 9.8** Impact of ECONG on capital cost for Elkhart County.



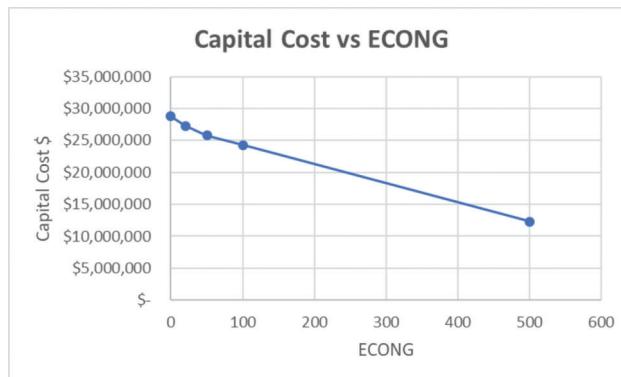
**Figure 9.9** Construction cost and transportation cost variation with ECONG for Harrison County.



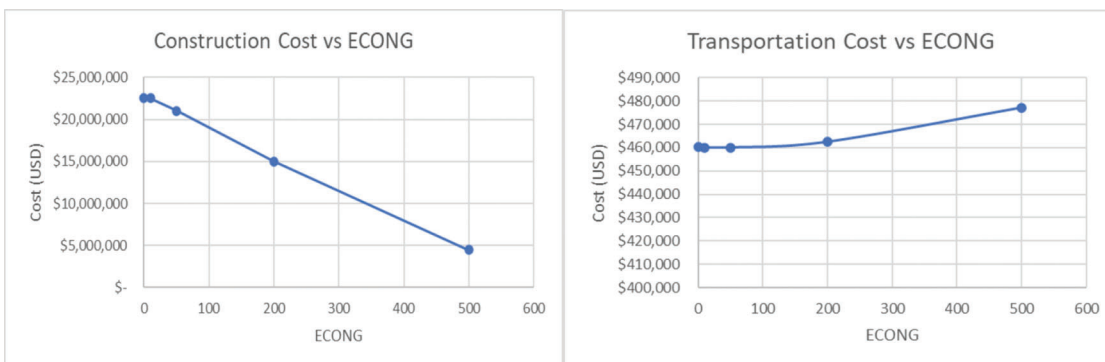
**Figure 9.10** Impact of ECONG on capital cost of Harrison County.



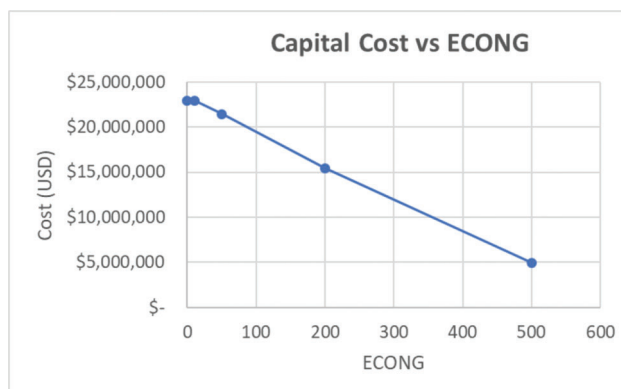
**Figure 9.11** Construction cost and transportation cost variation with ECONG for Hamilton County.



**Figure 9.12** Impact of ECONG on capital cost of Hamilton County.



**Figure 9.13** Construction cost and transportation cost variation with ECONG for St. Joseph County.



**Figure 9.14** Impact of ECONG on capital cost of St. Joseph County.





Figure 9.15 Construction cost and transportation cost variation with Econg for Floyd County.

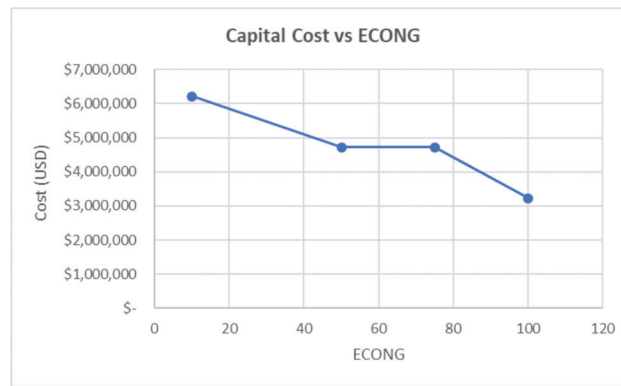


Figure 9.16 Impact of Econg on capital cost of Floyd County.

TABLE 9.9  
Ramp Expansion Recommendation Location as per MIP Model for Allen County

Econg	Ramp Identifier				
	930-140N	69-293C	69-296A	69-296G	469-019B
0	1	1	1	0	1
20	1	1	1	1	0
50	1	1	1	1	0
100	1	0	1	1	0

TABLE 9.10  
Ramp Expansion Recommendation Location as per MIP Model for Elkhart County

Econg	Ramp Identifier								
	20-092C	20-092D	20-092F	20-096A	20-096D	20-099A	80-101C	80-107D	80-108C
0	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1
50	1	0	1	1	1	1	1	1	1
100	1	0	1	1	1	1	0	1	1

TABLE 9.11  
**Ramp Expansion Recommendation Location as per MIP Model for Harrison County**

ECONG	Ramp Identifier			
	64-105H	64-105A	64-113B	64-113C
0	1	1	1	1
20	1	1	1	1
50	1	0	1	1
100	1	0	1	1

Five SSP scenarios with equal probability was considered for three time periods for the MIP model. Industry clusters of each county were identified and a distance matrix against the county ramps was calculated. The total freight prediction for each period ad scenario was divided among the identified industry clusters according to the relative size of the industry GDP.

**9.2.1.1 Values of UD and ECONG were varied for each run to study the trade-offs.** It is observed that in every run construction occurred on the common ramps. The capacity of the common ramps is increased to allow more flow between the counties and hence reduce congestion within the counties itself. We also observe decreasing construction costs with higher values of ECONG while total transportation cost increases with it (see Figure 9.18). Table 9.16 and Table 9.18 show the location of ramps that need to be expanded based on the recommendation of the two-county MIP models for Elkhart and St. Joseph and Floyd and Harrison respectively.

Another example of a two-county model is Floyd and Harrison counties where I-64 interstate passes through both the counties (Table 9.17). Five shared ramps are considered between the counties to facilitate freight movement between the industry locations present in both the counties.

The MIP model for this set of counties was run for various four different levels of ECONG and UD. A new construction was forced when ECONG value was considered below 50. The results show that the new construction is solely located on the shared ramps, hence increasing the capacity of both the counties at least possible cost. An individual analysis of counties using single-county model at the same ECONG and UD levels resulted in higher number of ramps to be constructed, hence validating the assumption that using common ramps to share the traffic flow load would result in reduced congestion.

The above analysis has been conducted by considering five probable scenarios, which have different GDP predictions, with equal probability. We notice that making the allowable congestion tighter results in more construction. The planner can change this parameter according to costs related to congestion and industry associated costs to maintain competitiveness. The construction costs can vary depending upon the location where the additional capacities are constructed, and the

TABLE 9.12  
**Ramp Expansion Recommendation Location as per MIP Model for Hamilton County**

ECONG	Ramp Identifier																			
	31-129B	31-131A	31-131C	31-132A	31-132C	31-132D	31-135A	69-204A	69-210D	465-031A	465-031B	465-031F	465-031H	31-129C	69-203B	69-205C	465-031C	465-031D		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
50	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
100	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	

TABLE 9.13  
Ramp Expansion Recommendation Location as per MIP Model for St. Joseph County

ECONG	Ramp Identifier															
	20-073H	20-076B	20-079B	20-082B	20-082C	20-082K	20-082L	20-084D	20-086D	20-086F	31-244B	31-244C	31-244K	31-244L	80-083C	80-077B
0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
50	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
200	0	0	0	1	1	1	0	1	1	1	0	1	1	1	1	0

TABLE 9.14  
Ramp Expansion Recommendation Location as per MIP Model for Floyd County

ECONG	Ramp Identifier			
	64-115D	64-118C	265-004B	265-004C
10	1	1	1	1
50	1	1	1	0
75	1	1	1	0
100	1	0	1	0

amount of capacity added differ according to the structure construction undertaken like building new ramps or widening existing ramps. For the sake of analysis, a constant construction cost and increase in capacity have been considered.

When ECONG parameter of 50 was considered, the single-county model suggests increasing capacity of exit 206 on Highway 91 in Tippecanoe County to minimize the cost while achieving the congestion targets. While in Allen County, exit 140 on SR 930 and exits 293 and 296 on I-69 requires expansion. Hamilton County requires adding capacities on exits 129, 132, 135 on US 31, exits 204, 210, 203, 205 on I-69 and exit 31 on I-465. The model also recommends increasing ramp capacities of exits 92, 96, 99 on US Route 20 and exits 101, 107, 108 on I-80 in Elkhart County, exits 73, 82, 84, 86 on US Route 20, exits 83, 77 on I-80 and exit 244 on US 31 in St. Joseph County. When St. Joseph County and Elkhart County were considered in the two-county model, where exits 86 and 92 on US Route 20 were considered as common ramps that facilitate movement to both the counties, it was observed that there was no construction recommendation on exits 82 and 99 on US Route 20 when compared to the single county models with other locations where expansion were recommended remaining the same. Similarly, the single-county model suggested construction on exits 105, 113 on I-64 in Harrison County and exits 115, 118 on I-64, and exit 4 on I-265 in Floyd County while the two-county model recommends expansion of only the shared exits 113 and 115 on I-64 with no other construction. In both the two-county model cases considered above, we observe that the number of location where construction is required is reduced while the shared ramps need to have their capacity increased. The county with higher congestion can share its load with less congested adjacent county hence decreasing construction cost and improving the competitiveness of the region.

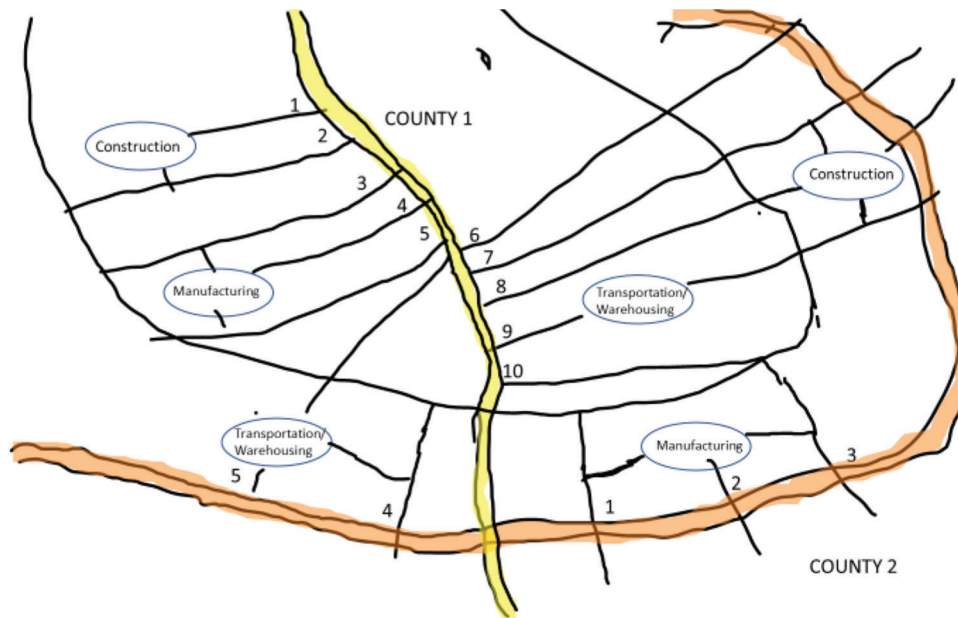


Figure 9.17 Two-county model illustration.

TABLE 9.15  
Capacity of Common Ramps between St. Joseph and Elkhart Counties

Ramp	20-092B	20-092C	20-092D	20-092F	20-086D	20-086F
Capacity	152	152	153	152	152	152

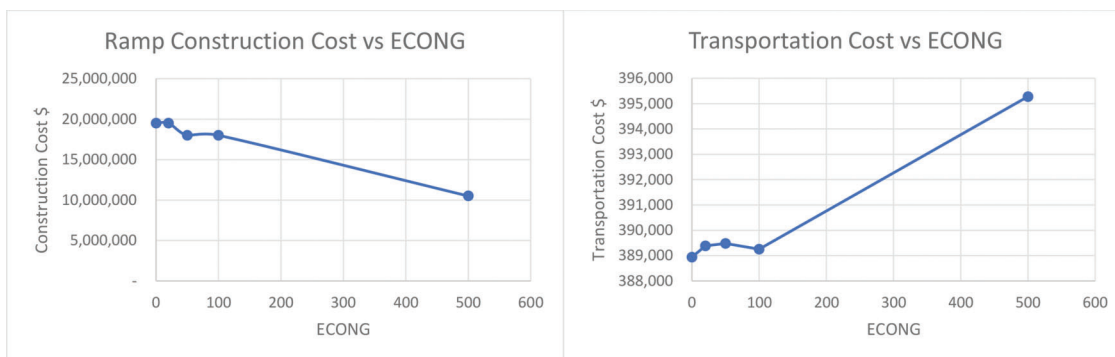
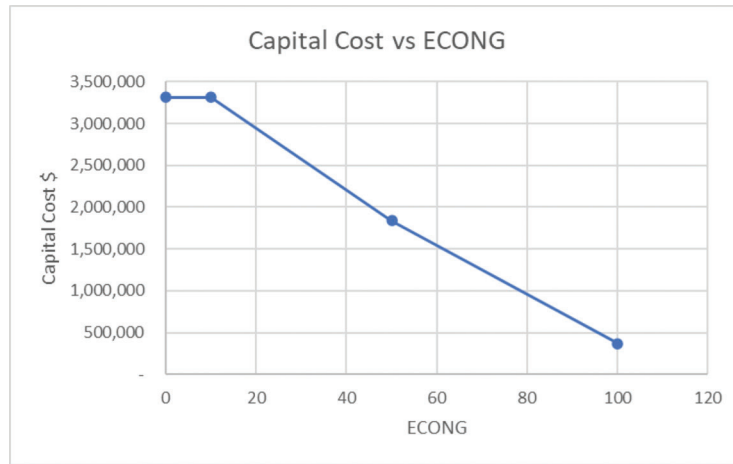


Figure 9.18 Variation in construction cost and transportation cost with ECONG for two-county MIP model for Elkhart and St. Joseph counties.

TABLE 9.16  
Ramp Expansion Recommendation Location as per Two-County MIP Model for Elkhart and St. Joseph Counties

St. Joseph	Route	20	20	31	80	80
	Exit	84	86	244	83	77
Elkhart	Route	20	20	80	80	80
	Exit	96	92	101	107	108



**Figure 9.19** Impact of ECONG on the capital cost of the two-county system for Floyd and Harrison counties.

**TABLE 9.17**  
Capacity of Common Ramps between Floyd and Harrison Counties

Ramps	64-113A	64-113B	64-113C	64-113D	64-115D
Capacity	145	63	56	103	227

**TABLE 9.18**  
Ramp Expansion Recommendation Location as per Two-County MIP Model for Floyd and Harrison Counties

Route	64	64	Shared ramps for both counties
Exit	113D	115D	

## 10. CONCLUSIONS

This report focuses on future trends in freight and associated potential congestion, as well as a planning tool to ensure smooth last mile delivery for freight in Indiana. Our analysis focused on a county level perspective by first understanding the economic activity by industry, followed by a forecast that uses globally accepted scenarios (Shared Scio-Economic Pathways) to generate possible economic and thus freight growth. We then analyzed traffic flows at a ramp level for each county, industry cluster locations in each county and ramp capacity to estimate future ramp congestion. This analysis projected freight through 2050.

Following the statistical analysis of congestion, we next turned to development of a planning model that uses a mixed integer programming approach to plan for ramp capacity (and associated road capacity) expansion in advance of scenario evolution. This model provides the INDOT decision maker with congestion constraint levers and industry cost impact to plan for capacity addition to alleviate congestion and maintain competitiveness. Our analysis suggests potential ramps within counties that can be considered for capacity addition to enable smooth last mile flows.

This report thus combines a quantitative global scenario-based perspective through the year 2050, along with a county level industry economic activity and

location as well road layout, to develop a robust planning tool illustrated through applications at several counties. The models developed use open source solution tools and can be readily adapted to future INDOT constraints.

## 11. IMPLEMENTATION PLAN

The last mile freight planning report provides the following insights that can assist INDOT.

- County level forecasts of economic activity provide INDOT with a forecast of an estimate through 2050 of potential growth locations across the state as well as the type of industry creating that growth.
- County level ramp congestion forecasts provide INDOT personnel with estimates of future potential congestion, and enough advance notice to explore relevant projects to alleviate congestion.
- The planning tool developed suggests combination of county level projects, as well as shared projects across counties, and enables INDOT personnel to explore tradeoffs between capital expense and industry competitiveness. By providing a quantifiable link between these tradeoffs, INDOT personnel can anticipate the impact of choices, and use quantifiable metrics to justify the Capital Program project budgeting.
- Once the report is approved, the tool will be transferred to the project owner at INDOT or the person recommended by the project owner through email.

- Our focus has been on serving existing industry clusters and locations and their expansion. Potential future locations for industry clusters based on interstate ramp access can also maintain last mile competitiveness.

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## APPENDICES

**Appendix A. HPMS Database**

**Appendix B. County-Level GDP**

**Appendix C. Industrial GDP**

**Appendix D. Industry Clusters**

## APPENDIX A. HPMS DATABASE

This section provides a scenario-based GDP of each county for the five identified industries that most contribute to the freight flow at 5-year intervals until 2050.

ROUTE_ID	FROM_MEASU	TO_MEASURE	TRAFFIC_SE	SITE_NO	AADT	AADT_COMBO	AADT_SU	PCT_PK_COM	PCT_PK_SIN	D_FAC	K_FAC	FUT_AADT	YR_FUT	HPMS_YEAR
1000000640000001	78.91345664	92.39187593	113_0640_0000_86.066	970130	19520	3619	719	0.18539959	0.03683402	65	10	23034	2039	2019
1000000650000001	133.50423237	137.83608439	106_0650_0000_133.3	971470	69677	17881	2629	0.25662701	0.03773125	52	8	82219	2039	2019
1000000650000001	140.33082919	141.85320787	106_0650_0000_140.11	971500	50989	14653	2209	0.28737571	0.04332307	51	8	60167	2039	2019
1000000650000001	2.40463507	2.50865637	110_0650_0000_0.198	955500	99574	10591	4519	0	0	55	9	246944	0	2018
1000000650000001	4.70363497	4.80796211	110_0650_0000_1.738	971060	109008	8340	3223	0	0	59	7	142121	0	2018
1000000650000001	36.81182468	41.30142687	136_0650_0000_36.86	971130	37689	12800	1470	0.33962164	0.03900342	51	7	44473	2039	2019
1000000650000001	41.30142687	49.77044501	136_0650_0000_41.35	971140	36081	7689	1527	1.39701549	0.35998795	55	10	42576	2039	2019
1000000650000001	205.19553047	220.85372102	137_0650_0000_204.773	990432	41529	11501	1614	0.27693901	0.03886441	53	10	49004	2039	2019
1000000650000001	94.86181539	97.65102641	141_0650_0000_94.78	971230	69330	15735	2190	0.22695803	0.03158806	52	7	81809	2039	2019
1000000650000001	258.23984627	261.10452889	145_0650_0000_23.82	971700	111757	11766	3341	0.71618305	0.22149661	56	11	131873	2039	2019
1000000650000001	121.16797947	123.60083141	149_0650_0000_120.97	971410	63865	6724	1910	0.71618305	0.22149661	56	11	75361	2039	2019
1000000650000001	80.46192615	89.89752931	173_0650_0000_80.46	971210	50891	14760	2039	0.29003164	0.04006602	60	7	60051	2039	2019
1000000650000001	178.2705778	188.19362512	179_0650_0000_177.98	990108	41898	8929	1773	1.39701549	0.35998795	57	10	49440	2039	2019
1000000650000091	-3E-08	0.18099988	245_0120_015Q_0		8012	814	497	0	0	57	9	21312	0	2018
1000000690000001	251.64998066	252.40061532	102_0690_0000_246.681	972310	76803	8086	2296	0.71618305	0.22149661	56	11	90628	2039	2019
1000000690000001	146.89564943	151.20331059	129_0690_0000_142.111	972080	69865	8631	1391	0.12353825	0.01990983	54	9	82441	2039	2019
1000000690000001	159.06772515	163.04898247	148_0690_0000_154.261	972110	50393	5305	1507	0.71618305	0.22149661	56	11	59464	2039	2019
1000000690000001	293.68082311	294.16668737	176_0690_0000_288.771	972440	21201	4088	573	0.19282109	0.02702703	54	10	25017	2039	2019
1000000690000001	120.84091748	121.99849148	953_0370_0000_14.815	530090	24899	1037	1135	0.27559425	0.38200796	57	10	27887	2039	2019
1000000690000001	123.83676023	124.10875337	953_0370_0000_17.811	530100	24699	1653	697	0.365	0.13	53	9	65699	0	2018
1000000690000001	124.10875337	124.1090804	953_0370_0000_17.811	530110	27818	1616	894	0.327	0.177	56	10	32825	2038	2018
1000000690000001	132.86128771	134.8110467	955_0370_0000_1.051	550051	20658	2062	1215	0.63009507	0.45640717	57	10	24790	2039	2019
1000000700000001	22.85986891	37.37997827	111_0700_0000_22.86	973060	30169	6429	1277	1.39701549	0.35998795	55	10	35599	2039	2019
1000000700000001	114.15382394	121.60446825	133_0700_0000_114.22	973290	37996	17036	1313	0.44836299	0.03455627	52	7	44835	2039	2019
1000000700000001	74.83777034	76.79896061	149_0700_0000_74.92	973140	82463	11065	2516	0.13418139	0.03051065	64	10	97306	2039	2019
1000000700000001	76.79896061	78.59784538	149_0700_0000_76.87	973150	87213	9925	2422	0.11380184	0.02777109	60	10	102911	2039	2019
1000000700000001	144.12100413	148.02563231	189_0700_0000_144.18	973330	37535	18457	1211	0.49172772	0.03226322	56	7	44291	2039	2019
1000000740000001	-3E-08	3.98162111	183_0740_0000_0	974010	21668	8149	519	0.37608455	0.02395237	51	7	25568	2039	2019
1000000805000001	28.51940297	51.86349669	146_0805_0000_49.28	976140	25077	12912	813	0.51489413	0.03242015	50	6	29591	2039	2019
1000000805000001	3.25475354	9.98676561	164_0805_0000_23.98	976110	27148	12580	950	0.46338588	0.03499337	54	7	32035	2039	2019
1000000805000001	51.86349669	55.97089038	171_0805_0000_72.64	976160	24825	11160	834	0.44954683	0.03359517	56	8	29294	2039	2019
1000000285000001	0.44546699	1.26367103	122_2650_0000_0.44	978110	60658	3394	1253	0.05595305	0.0206568	53	10	71576	2039	2019



## APPENDIX B. COUNTY-LEVEL GDP

The forecasted county-level GDP data by scenario for remaining counties is provided below. These values are GDP|PPP (in billion USD/2005/Year)

### Adams County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Adams	1.286	1.427	1.570	1.714	1.853	1.983	2.102
SSP1-26	Adams	1.286	1.427	1.570	1.714	1.853	1.983	2.102
SSP2	Adams	1.279	1.400	1.511	1.612	1.708	1.799	1.882
SSP2-26	Adams	1.278	1.397	1.505	1.603	1.697	1.783	1.863
SSP3	Adams	1.256	1.349	1.423	1.482	1.532	1.572	1.599
SSP3-34	Adams	1.256	1.347	1.420	1.463	1.498	1.527	1.545
SSP4	Adams	1.276	1.410	1.546	1.679	1.801	1.912	2.010
SSP4-26	Adams	1.276	1.411	1.548	1.680	1.801	1.911	2.009
SSP5	Adams	1.308	1.485	1.689	1.912	2.145	2.390	2.649
SSP5-26	Adams	1.308	1.480	1.679	1.886	2.104	2.326	2.564

### Bartholomew County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Bartholomew	6.018	6.673	7.346	8.020	8.667	9.276	9.831
SSP1-26	Bartholomew	6.018	6.673	7.346	8.020	8.667	9.276	9.831
SSP2	Bartholomew	5.984	6.550	7.067	7.541	7.991	8.415	8.806
SSP2-26	Bartholomew	5.977	6.533	7.043	7.501	7.937	8.342	8.715
SSP3	Bartholomew	5.877	6.312	6.657	6.935	7.166	7.354	7.482
SSP3-34	Bartholomew	5.875	6.304	6.643	6.844	7.006	7.143	7.226
SSP4	Bartholomew	5.968	6.595	7.231	7.853	8.425	8.943	9.402
SSP4-26	Bartholomew	5.968	6.600	7.241	7.858	8.424	8.941	9.398
SSP5	Bartholomew	6.117	6.945	7.900	8.947	10.033	11.180	12.393
SSP5-26	Bartholomew	6.117	6.922	7.856	8.825	9.841	10.883	11.994

### Benton County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Benton	0.383	0.425	0.467	0.510	0.552	0.590	0.626
SSP1-26	Benton	0.383	0.425	0.467	0.510	0.552	0.590	0.626
SSP2	Benton	0.381	0.417	0.450	0.480	0.508	0.535	0.560
SSP2-26	Benton	0.380	0.416	0.448	0.477	0.505	0.531	0.555
SSP3	Benton	0.374	0.402	0.424	0.441	0.456	0.468	0.476
SSP3-34	Benton	0.374	0.401	0.423	0.436	0.446	0.455	0.460
SSP4	Benton	0.380	0.420	0.460	0.500	0.536	0.569	0.598
SSP4-26	Benton	0.380	0.420	0.461	0.500	0.536	0.569	0.598
SSP5	Benton	0.389	0.442	0.503	0.569	0.638	0.711	0.789
SSP5-26	Benton	0.389	0.441	0.500	0.562	0.626	0.693	0.763

### Blackford County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Blackford	0.291	0.322	0.355	0.387	0.418	0.448	0.475
SSP1-26	Blackford	0.291	0.322	0.355	0.387	0.418	0.448	0.475
SSP2	Blackford	0.289	0.316	0.341	0.364	0.386	0.406	0.425
SSP2-26	Blackford	0.289	0.315	0.340	0.362	0.383	0.403	0.421
SSP3	Blackford	0.284	0.305	0.321	0.335	0.346	0.355	0.361
SSP3-34	Blackford	0.284	0.304	0.321	0.330	0.338	0.345	0.349
SSP4	Blackford	0.288	0.318	0.349	0.379	0.407	0.432	0.454
SSP4-26	Blackford	0.288	0.319	0.350	0.379	0.407	0.432	0.454
SSP5	Blackford	0.295	0.335	0.381	0.432	0.484	0.540	0.598
SSP5-26	Blackford	0.295	0.334	0.379	0.426	0.475	0.525	0.579

### Boone County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Boone	3.393	3.762	4.141	4.521	4.886	5.229	5.542
SSP1-26	Boone	3.393	3.762	4.141	4.521	4.886	5.229	5.542
SSP2	Boone	3.374	3.692	3.984	4.251	4.505	4.744	4.964
SSP2-26	Boone	3.369	3.683	3.970	4.229	4.474	4.703	4.913
SSP3	Boone	3.313	3.559	3.753	3.909	4.040	4.146	4.218
SSP3-34	Boone	3.312	3.554	3.745	3.858	3.949	4.027	4.073
SSP4	Boone	3.364	3.718	4.076	4.427	4.750	5.042	5.300
SSP4-26	Boone	3.365	3.721	4.082	4.430	4.749	5.040	5.298
SSP5	Boone	3.448	3.915	4.453	5.044	5.656	6.303	6.987
SSP5-26	Boone	3.448	3.902	4.429	4.975	5.548	6.135	6.762

### Brown County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Brown	0.245	0.271	0.299	0.326	0.353	0.377	0.400
SSP1-26	Brown	0.245	0.271	0.299	0.326	0.353	0.377	0.400
SSP2	Brown	0.243	0.266	0.287	0.307	0.325	0.342	0.358
SSP2-26	Brown	0.243	0.266	0.287	0.305	0.323	0.339	0.355
SSP3	Brown	0.239	0.257	0.271	0.282	0.292	0.299	0.304
SSP3-34	Brown	0.239	0.256	0.270	0.278	0.285	0.291	0.294
SSP4	Brown	0.243	0.268	0.294	0.319	0.343	0.364	0.382
SSP4-26	Brown	0.243	0.269	0.295	0.320	0.343	0.364	0.382
SSP5	Brown	0.249	0.283	0.321	0.364	0.408	0.455	0.504
SSP5-26	Brown	0.249	0.282	0.320	0.359	0.400	0.443	0.488

Carroll County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Carroll	0.575	0.637	0.701	0.766	0.827	0.886	0.939
SSP1-26	Carroll	0.575	0.637	0.701	0.766	0.827	0.886	0.939
SSP2	Carroll	0.571	0.625	0.675	0.720	0.763	0.803	0.841
SSP2-26	Carroll	0.571	0.624	0.672	0.716	0.758	0.796	0.832
SSP3	Carroll	0.561	0.603	0.636	0.662	0.684	0.702	0.714
SSP3-34	Carroll	0.561	0.602	0.634	0.653	0.669	0.682	0.690
SSP4	Carroll	0.570	0.630	0.690	0.750	0.804	0.854	0.898
SSP4-26	Carroll	0.570	0.630	0.691	0.750	0.804	0.854	0.897
SSP5	Carroll	0.584	0.663	0.754	0.854	0.958	1.067	1.183
SSP5-26	Carroll	0.584	0.661	0.750	0.842	0.940	1.039	1.145

Cass County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Cass	1.227	1.360	1.497	1.635	1.767	1.891	2.004
SSP1-26	Cass	1.227	1.360	1.497	1.635	1.767	1.891	2.004
SSP2	Cass	1.220	1.335	1.440	1.537	1.629	1.715	1.795
SSP2-26	Cass	1.218	1.332	1.435	1.529	1.618	1.700	1.776
SSP3	Cass	1.198	1.287	1.357	1.413	1.461	1.499	1.525
SSP3-34	Cass	1.197	1.285	1.354	1.395	1.428	1.456	1.473
SSP4	Cass	1.216	1.344	1.474	1.601	1.717	1.823	1.916
SSP4-26	Cass	1.217	1.345	1.476	1.602	1.717	1.822	1.916
SSP5	Cass	1.247	1.416	1.610	1.824	2.045	2.279	2.526
SSP5-26	Cass	1.247	1.411	1.601	1.799	2.006	2.218	2.445

### Clark County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Clark	4.350	4.824	5.310	5.797	6.264	6.705	7.106
SSP1-26	Clark	4.350	4.824	5.310	5.797	6.264	6.705	7.106
SSP2	Clark	4.325	4.734	5.108	5.451	5.775	6.082	6.365
SSP2-26	Clark	4.320	4.722	5.090	5.422	5.737	6.029	6.299
SSP3	Clark	4.248	4.563	4.812	5.012	5.179	5.315	5.408
SSP3-34	Clark	4.246	4.556	4.802	4.947	5.064	5.163	5.223
SSP4	Clark	4.313	4.766	5.226	5.676	6.090	6.464	6.796
SSP4-26	Clark	4.314	4.771	5.234	5.680	6.089	6.462	6.793
SSP5	Clark	4.421	5.020	5.710	6.467	7.252	8.081	8.958
SSP5-26	Clark	4.421	5.003	5.678	6.378	7.113	7.866	8.670

### Clay County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Clay	0.624	0.692	0.762	0.832	0.899	0.962	1.020
SSP1-26	Clay	0.624	0.692	0.762	0.832	0.899	0.962	1.020
SSP2	Clay	0.621	0.679	0.733	0.782	0.829	0.873	0.914
SSP2-26	Clay	0.620	0.678	0.731	0.778	0.823	0.865	0.904
SSP3	Clay	0.610	0.655	0.691	0.719	0.743	0.763	0.776
SSP3-34	Clay	0.609	0.654	0.689	0.710	0.727	0.741	0.750
SSP4	Clay	0.619	0.684	0.750	0.815	0.874	0.928	0.975
SSP4-26	Clay	0.619	0.685	0.751	0.815	0.874	0.928	0.975
SSP5	Clay	0.635	0.721	0.820	0.928	1.041	1.160	1.286
SSP5-26	Clay	0.635	0.718	0.815	0.915	1.021	1.129	1.244

Clinton County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Clinton	1.067	1.183	1.302	1.422	1.537	1.645	1.743
SSP1-26	Clinton	1.067	1.183	1.302	1.422	1.537	1.645	1.743
SSP2	Clinton	1.061	1.161	1.253	1.337	1.417	1.492	1.561
SSP2-26	Clinton	1.060	1.158	1.249	1.330	1.407	1.479	1.545
SSP3	Clinton	1.042	1.119	1.180	1.229	1.270	1.304	1.326
SSP3-34	Clinton	1.041	1.118	1.178	1.213	1.242	1.266	1.281
SSP4	Clinton	1.058	1.169	1.282	1.392	1.494	1.585	1.667
SSP4-26	Clinton	1.058	1.170	1.284	1.393	1.494	1.585	1.666
SSP5	Clinton	1.084	1.231	1.400	1.586	1.779	1.982	2.197
SSP5-26	Clinton	1.084	1.227	1.393	1.564	1.745	1.929	2.126

Crawford County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Crawford	0.181	0.201	0.221	0.242	0.261	0.280	0.296
SSP1-26	Crawford	0.181	0.201	0.221	0.242	0.261	0.280	0.296
SSP2	Crawford	0.180	0.197	0.213	0.227	0.241	0.254	0.265
SSP2-26	Crawford	0.180	0.197	0.212	0.226	0.239	0.251	0.263
SSP3	Crawford	0.177	0.190	0.201	0.209	0.216	0.222	0.226
SSP3-34	Crawford	0.177	0.190	0.200	0.206	0.211	0.215	0.218
SSP4	Crawford	0.180	0.199	0.218	0.237	0.254	0.270	0.283
SSP4-26	Crawford	0.180	0.199	0.218	0.237	0.254	0.269	0.283
SSP5	Crawford	0.184	0.209	0.238	0.270	0.302	0.337	0.374
SSP5-26	Crawford	0.184	0.209	0.237	0.266	0.297	0.328	0.362

Daviess County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Daviess	1.056	1.171	1.289	1.407	1.520	1.627	1.725
SSP1-26	Daviess	1.056	1.171	1.289	1.407	1.520	1.627	1.725
SSP2	Daviess	1.050	1.149	1.240	1.323	1.402	1.476	1.545
SSP2-26	Daviess	1.048	1.146	1.235	1.316	1.392	1.463	1.529
SSP3	Daviess	1.031	1.107	1.168	1.216	1.257	1.290	1.312
SSP3-34	Daviess	1.031	1.106	1.165	1.201	1.229	1.253	1.268
SSP4	Daviess	1.047	1.157	1.268	1.378	1.478	1.569	1.649
SSP4-26	Daviess	1.047	1.158	1.270	1.378	1.478	1.568	1.649
SSP5	Daviess	1.073	1.218	1.386	1.569	1.760	1.961	2.174
SSP5-26	Daviess	1.073	1.214	1.378	1.548	1.726	1.909	2.104

Dearborn County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Dearborn	1.549	1.718	1.891	2.065	2.231	2.388	2.531
SSP1-26	Dearborn	1.549	1.718	1.891	2.065	2.231	2.388	2.531
SSP2	Dearborn	1.540	1.686	1.819	1.941	2.057	2.166	2.267
SSP2-26	Dearborn	1.539	1.682	1.813	1.931	2.043	2.147	2.244
SSP3	Dearborn	1.513	1.625	1.714	1.785	1.845	1.893	1.926
SSP3-34	Dearborn	1.512	1.623	1.710	1.762	1.803	1.839	1.860
SSP4	Dearborn	1.536	1.698	1.861	2.022	2.169	2.302	2.420
SSP4-26	Dearborn	1.536	1.699	1.864	2.023	2.169	2.302	2.419
SSP5	Dearborn	1.575	1.788	2.034	2.303	2.583	2.878	3.190
SSP5-26	Dearborn	1.575	1.782	2.022	2.272	2.533	2.802	3.088

Decatur County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Decatur	1.357	1.505	1.656	1.808	1.954	2.091	2.217
SSP1-26	Decatur	1.357	1.505	1.656	1.808	1.954	2.091	2.217
SSP2	Decatur	1.349	1.477	1.593	1.700	1.802	1.897	1.985
SSP2-26	Decatur	1.348	1.473	1.588	1.691	1.789	1.881	1.965
SSP3	Decatur	1.325	1.423	1.501	1.564	1.616	1.658	1.687
SSP3-34	Decatur	1.325	1.421	1.498	1.543	1.580	1.611	1.629
SSP4	Decatur	1.346	1.487	1.630	1.771	1.900	2.016	2.120
SSP4-26	Decatur	1.346	1.488	1.633	1.772	1.899	2.016	2.119
SSP5	Decatur	1.379	1.566	1.781	2.017	2.262	2.521	2.794
SSP5-26	Decatur	1.379	1.561	1.771	1.990	2.219	2.454	2.704

DeKalb County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	DeKalb	2.249	2.494	2.745	2.997	3.239	3.466	3.674
SSP1-26	DeKalb	2.249	2.494	2.745	2.997	3.239	3.466	3.674
SSP2	DeKalb	2.236	2.448	2.641	2.818	2.986	3.144	3.291
SSP2-26	DeKalb	2.233	2.441	2.632	2.803	2.966	3.117	3.257
SSP3	DeKalb	2.196	2.359	2.488	2.591	2.678	2.748	2.796
SSP3-34	DeKalb	2.195	2.356	2.482	2.558	2.618	2.669	2.700
SSP4	DeKalb	2.230	2.464	2.702	2.935	3.148	3.342	3.513
SSP4-26	DeKalb	2.230	2.466	2.706	2.936	3.148	3.341	3.512
SSP5	DeKalb	2.286	2.595	2.952	3.343	3.749	4.178	4.631
SSP5-26	DeKalb	2.286	2.587	2.936	3.298	3.678	4.067	4.482



### Delaware County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Delaware	3.766	4.176	4.597	5.019	5.424	5.805	6.153
SSP1-26	Delaware	3.766	4.176	4.597	5.019	5.424	5.805	6.153
SSP2	Delaware	3.745	4.099	4.423	4.720	5.001	5.266	5.511
SSP2-26	Delaware	3.740	4.089	4.407	4.695	4.967	5.221	5.454
SSP3	Delaware	3.678	3.950	4.166	4.340	4.485	4.602	4.682
SSP3-34	Delaware	3.676	3.945	4.157	4.283	4.384	4.471	4.522
SSP4	Delaware	3.735	4.127	4.525	4.915	5.273	5.597	5.884
SSP4-26	Delaware	3.735	4.131	4.532	4.918	5.272	5.595	5.882
SSP5	Delaware	3.828	4.347	4.944	5.599	6.279	6.997	7.756
SSP5-26	Delaware	3.828	4.332	4.916	5.523	6.159	6.811	7.506

### Dubois County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Dubois	2.454	2.721	2.996	3.270	3.534	3.783	4.009
SSP1-26	Dubois	2.454	2.721	2.996	3.270	3.534	3.783	4.009
SSP2	Dubois	2.440	2.671	2.882	3.075	3.258	3.431	3.591
SSP2-26	Dubois	2.437	2.664	2.872	3.059	3.236	3.402	3.554
SSP3	Dubois	2.396	2.574	2.715	2.828	2.922	2.999	3.051
SSP3-34	Dubois	2.395	2.570	2.709	2.791	2.857	2.913	2.946
SSP4	Dubois	2.433	2.689	2.948	3.202	3.435	3.647	3.834
SSP4-26	Dubois	2.434	2.691	2.953	3.204	3.435	3.646	3.832
SSP5	Dubois	2.494	2.832	3.221	3.648	4.091	4.559	5.053
SSP5-26	Dubois	2.494	2.823	3.203	3.598	4.013	4.438	4.891

### Fayette County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Fayette	0.566	0.628	0.691	0.754	0.815	0.872	0.925
SSP1-26	Fayette	0.566	0.628	0.691	0.754	0.815	0.872	0.925
SSP2	Fayette	0.563	0.616	0.665	0.709	0.751	0.791	0.828
SSP2-26	Fayette	0.562	0.614	0.662	0.705	0.746	0.785	0.820
SSP3	Fayette	0.553	0.594	0.626	0.652	0.674	0.692	0.704
SSP3-34	Fayette	0.552	0.593	0.625	0.644	0.659	0.672	0.680
SSP4	Fayette	0.561	0.620	0.680	0.739	0.792	0.841	0.884
SSP4-26	Fayette	0.561	0.621	0.681	0.739	0.792	0.841	0.884
SSP5	Fayette	0.575	0.653	0.743	0.841	0.944	1.051	1.166
SSP5-26	Fayette	0.575	0.651	0.739	0.830	0.926	1.024	1.128

### Fountain County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Fountain	0.498	0.552	0.608	0.664	0.717	0.768	0.814
SSP1-26	Fountain	0.498	0.552	0.608	0.664	0.717	0.768	0.814
SSP2	Fountain	0.495	0.542	0.585	0.624	0.661	0.697	0.729
SSP2-26	Fountain	0.495	0.541	0.583	0.621	0.657	0.691	0.721
SSP3	Fountain	0.486	0.523	0.551	0.574	0.593	0.609	0.619
SSP3-34	Fountain	0.486	0.522	0.550	0.567	0.580	0.591	0.598
SSP4	Fountain	0.494	0.546	0.599	0.650	0.697	0.740	0.778
SSP4-26	Fountain	0.494	0.546	0.599	0.650	0.697	0.740	0.778
SSP5	Fountain	0.506	0.575	0.654	0.741	0.831	0.926	1.026
SSP5-26	Fountain	0.506	0.573	0.650	0.731	0.815	0.901	0.993

Franklin County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Franklin	0.452	0.501	0.552	0.602	0.651	0.697	0.738
SSP1-26	Franklin	0.452	0.501	0.552	0.602	0.651	0.697	0.738
SSP2	Franklin	0.449	0.492	0.531	0.566	0.600	0.632	0.661
SSP2-26	Franklin	0.449	0.491	0.529	0.563	0.596	0.626	0.654
SSP3	Franklin	0.441	0.474	0.500	0.521	0.538	0.552	0.562
SSP3-34	Franklin	0.441	0.473	0.499	0.514	0.526	0.536	0.543
SSP4	Franklin	0.448	0.495	0.543	0.590	0.633	0.671	0.706
SSP4-26	Franklin	0.448	0.496	0.544	0.590	0.633	0.671	0.706
SSP5	Franklin	0.459	0.522	0.593	0.672	0.753	0.840	0.931
SSP5-26	Franklin	0.459	0.520	0.590	0.663	0.739	0.817	0.901

Fulton County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Fulton	0.613	0.680	0.749	0.817	0.883	0.945	1.002
SSP1-26	Fulton	0.613	0.680	0.749	0.817	0.883	0.945	1.002
SSP2	Fulton	0.610	0.667	0.720	0.768	0.814	0.857	0.897
SSP2-26	Fulton	0.609	0.666	0.718	0.764	0.809	0.850	0.888
SSP3	Fulton	0.599	0.643	0.678	0.707	0.730	0.749	0.762
SSP3-34	Fulton	0.599	0.642	0.677	0.697	0.714	0.728	0.736
SSP4	Fulton	0.608	0.672	0.737	0.800	0.858	0.911	0.958
SSP4-26	Fulton	0.608	0.673	0.738	0.801	0.858	0.911	0.958
SSP5	Fulton	0.623	0.708	0.805	0.912	1.022	1.139	1.263
SSP5-26	Fulton	0.623	0.705	0.800	0.899	1.003	1.109	1.222

Gibson County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Gibson	2.852	3.162	3.481	3.800	4.107	4.396	4.659
SSP1-26	Gibson	2.852	3.162	3.481	3.800	4.107	4.396	4.659
SSP2	Gibson	2.836	3.104	3.349	3.574	3.786	3.987	4.173
SSP2-26	Gibson	2.832	3.096	3.337	3.555	3.761	3.953	4.130
SSP3	Gibson	2.785	2.991	3.155	3.286	3.396	3.485	3.545
SSP3-34	Gibson	2.784	2.987	3.148	3.243	3.320	3.385	3.424
SSP4	Gibson	2.828	3.125	3.426	3.721	3.992	4.238	4.455
SSP4-26	Gibson	2.828	3.128	3.431	3.724	3.992	4.237	4.453
SSP5	Gibson	2.899	3.291	3.743	4.239	4.754	5.298	5.873
SSP5-26	Gibson	2.899	3.280	3.723	4.182	4.663	5.157	5.684

Grant County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Grant	3.886	4.309	4.744	5.179	5.597	5.990	6.348
SSP1-26	Grant	3.886	4.309	4.744	5.179	5.597	5.990	6.348
SSP2	Grant	3.864	4.229	4.563	4.870	5.160	5.434	5.686
SSP2-26	Grant	3.859	4.219	4.548	4.844	5.125	5.387	5.628
SSP3	Grant	3.795	4.076	4.299	4.478	4.627	4.749	4.831
SSP3-34	Grant	3.793	4.070	4.290	4.420	4.524	4.613	4.666
SSP4	Grant	3.853	4.258	4.669	5.071	5.440	5.775	6.071
SSP4-26	Grant	3.854	4.262	4.676	5.074	5.440	5.773	6.069
SSP5	Grant	3.950	4.485	5.101	5.777	6.478	7.219	8.003
SSP5-26	Grant	3.950	4.470	5.073	5.698	6.355	7.027	7.745

Greene County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Greene	0.563	0.625	0.688	0.751	0.811	0.868	0.920
SSP1-26	Greene	0.563	0.625	0.688	0.751	0.811	0.868	0.920
SSP2	Greene	0.560	0.613	0.661	0.706	0.748	0.788	0.824
SSP2-26	Greene	0.559	0.611	0.659	0.702	0.743	0.781	0.816
SSP3	Greene	0.550	0.591	0.623	0.649	0.671	0.688	0.700
SSP3-34	Greene	0.550	0.590	0.622	0.641	0.656	0.669	0.676
SSP4	Greene	0.559	0.617	0.677	0.735	0.789	0.837	0.880
SSP4-26	Greene	0.559	0.618	0.678	0.735	0.788	0.837	0.880
SSP5	Greene	0.572	0.650	0.739	0.837	0.939	1.046	1.160
SSP5-26	Greene	0.572	0.648	0.735	0.826	0.921	1.019	1.123

Hancock County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Hancock	2.020	2.240	2.466	2.693	2.910	3.114	3.301
SSP1-26	Hancock	2.020	2.240	2.466	2.693	2.910	3.114	3.301
SSP2	Hancock	2.009	2.199	2.373	2.532	2.683	2.825	2.956
SSP2-26	Hancock	2.006	2.193	2.364	2.518	2.665	2.801	2.926
SSP3	Hancock	1.973	2.119	2.235	2.328	2.406	2.469	2.512
SSP3-34	Hancock	1.972	2.116	2.230	2.298	2.352	2.398	2.426
SSP4	Hancock	2.003	2.214	2.427	2.636	2.828	3.002	3.156
SSP4-26	Hancock	2.004	2.216	2.431	2.638	2.828	3.002	3.155
SSP5	Hancock	2.054	2.332	2.652	3.004	3.368	3.753	4.161
SSP5-26	Hancock	2.054	2.324	2.637	2.963	3.304	3.654	4.027

Hendricks County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Hendricks	5.229	5.798	6.383	6.968	7.530	8.060	8.542
SSP1-26	Hendricks	5.229	5.798	6.383	6.968	7.530	8.060	8.542
SSP2	Hendricks	5.199	5.691	6.140	6.552	6.943	7.311	7.651
SSP2-26	Hendricks	5.193	5.676	6.119	6.518	6.896	7.248	7.572
SSP3	Hendricks	5.106	5.484	5.784	6.025	6.226	6.390	6.501
SSP3-34	Hendricks	5.104	5.477	5.772	5.947	6.087	6.207	6.278
SSP4	Hendricks	5.185	5.730	6.282	6.823	7.320	7.770	8.169
SSP4-26	Hendricks	5.186	5.735	6.291	6.827	7.320	7.768	8.166
SSP5	Hendricks	5.315	6.035	6.864	7.773	8.717	9.714	10.768
SSP5-26	Hendricks	5.315	6.014	6.826	7.667	8.551	9.456	10.421

Henry County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Henry	1.045	1.159	1.276	1.393	1.505	1.611	1.707
SSP1-26	Henry	1.045	1.159	1.276	1.393	1.505	1.611	1.707
SSP2	Henry	1.039	1.137	1.227	1.309	1.387	1.461	1.529
SSP2-26	Henry	1.038	1.134	1.223	1.302	1.378	1.448	1.513
SSP3	Henry	1.020	1.096	1.156	1.204	1.244	1.277	1.299
SSP3-34	Henry	1.020	1.095	1.153	1.188	1.216	1.240	1.255
SSP4	Henry	1.036	1.145	1.255	1.364	1.463	1.553	1.632
SSP4-26	Henry	1.036	1.146	1.257	1.364	1.463	1.552	1.632
SSP5	Henry	1.062	1.206	1.372	1.553	1.742	1.941	2.152
SSP5-26	Henry	1.062	1.202	1.364	1.532	1.709	1.890	2.083

### Howard County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Howard	5.263	5.836	6.424	7.013	7.579	8.111	8.597
SSP1-26	Howard	5.263	5.836	6.424	7.013	7.579	8.111	8.597
SSP2	Howard	5.233	5.727	6.180	6.594	6.987	7.358	7.700
SSP2-26	Howard	5.226	5.713	6.158	6.560	6.940	7.294	7.621
SSP3	Howard	5.139	5.520	5.821	6.064	6.266	6.431	6.542
SSP3-34	Howard	5.137	5.512	5.809	5.985	6.126	6.246	6.318
SSP4	Howard	5.218	5.767	6.323	6.867	7.367	7.820	8.221
SSP4-26	Howard	5.219	5.772	6.332	6.871	7.367	7.818	8.218
SSP5	Howard	5.349	6.073	6.908	7.823	8.773	9.777	10.837
SSP5-26	Howard	5.349	6.053	6.869	7.717	8.606	9.516	10.488

### Huntington County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Huntington	1.253	1.389	1.529	1.670	1.804	1.931	2.047
SSP1-26	Huntington	1.253	1.389	1.529	1.670	1.804	1.931	2.047
SSP2	Huntington	1.246	1.364	1.471	1.570	1.664	1.752	1.833
SSP2-26	Huntington	1.244	1.360	1.466	1.562	1.652	1.737	1.814
SSP3	Huntington	1.223	1.314	1.386	1.444	1.492	1.531	1.558
SSP3-34	Huntington	1.223	1.312	1.383	1.425	1.459	1.487	1.504
SSP4	Huntington	1.242	1.373	1.505	1.635	1.754	1.862	1.957
SSP4-26	Huntington	1.243	1.374	1.508	1.636	1.754	1.861	1.957
SSP5	Huntington	1.273	1.446	1.645	1.863	2.089	2.328	2.580
SSP5-26	Huntington	1.273	1.441	1.635	1.837	2.049	2.266	2.497

Jackson County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Jackson	2.228	2.471	2.720	2.969	3.209	3.434	3.640
SSP1-26	Jackson	2.228	2.471	2.720	2.969	3.209	3.434	3.640
SSP2	Jackson	2.216	2.425	2.616	2.792	2.958	3.115	3.260
SSP2-26	Jackson	2.213	2.419	2.607	2.777	2.938	3.088	3.227
SSP3	Jackson	2.176	2.337	2.465	2.567	2.653	2.723	2.770
SSP3-34	Jackson	2.175	2.334	2.459	2.534	2.594	2.645	2.675
SSP4	Jackson	2.209	2.442	2.677	2.908	3.119	3.311	3.481
SSP4-26	Jackson	2.210	2.444	2.681	2.909	3.119	3.310	3.480
SSP5	Jackson	2.265	2.571	2.925	3.312	3.714	4.139	4.588
SSP5-26	Jackson	2.265	2.563	2.908	3.267	3.644	4.029	4.441

Jasper County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Jasper	1.362	1.511	1.663	1.816	1.962	2.100	2.226
SSP1-26	Jasper	1.362	1.511	1.663	1.816	1.962	2.100	2.226
SSP2	Jasper	1.355	1.483	1.600	1.707	1.809	1.905	1.993
SSP2-26	Jasper	1.353	1.479	1.594	1.698	1.797	1.888	1.973
SSP3	Jasper	1.330	1.429	1.507	1.570	1.622	1.665	1.694
SSP3-34	Jasper	1.330	1.427	1.504	1.549	1.586	1.617	1.636
SSP4	Jasper	1.351	1.493	1.637	1.778	1.907	2.024	2.128
SSP4-26	Jasper	1.351	1.494	1.639	1.779	1.907	2.024	2.128
SSP5	Jasper	1.385	1.572	1.788	2.025	2.271	2.531	2.806
SSP5-26	Jasper	1.385	1.567	1.778	1.998	2.228	2.464	2.715



Jay County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Jay	0.818	0.907	0.998	1.090	1.178	1.261	1.336
SSP1-26	Jay	0.818	0.907	0.998	1.090	1.178	1.261	1.336
SSP2	Jay	0.813	0.890	0.960	1.025	1.086	1.144	1.197
SSP2-26	Jay	0.812	0.888	0.957	1.019	1.079	1.134	1.184
SSP3	Jay	0.799	0.858	0.905	0.942	0.974	0.999	1.017
SSP3-34	Jay	0.798	0.857	0.903	0.930	0.952	0.971	0.982
SSP4	Jay	0.811	0.896	0.983	1.067	1.145	1.215	1.278
SSP4-26	Jay	0.811	0.897	0.984	1.068	1.145	1.215	1.277
SSP5	Jay	0.831	0.944	1.074	1.216	1.363	1.519	1.684
SSP5-26	Jay	0.831	0.941	1.068	1.199	1.337	1.479	1.630

Jefferson County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Jefferson	1.351	1.498	1.649	1.800	1.945	2.082	2.206
SSP1-26	Jefferson	1.351	1.498	1.649	1.800	1.945	2.082	2.206
SSP2	Jefferson	1.343	1.470	1.586	1.693	1.793	1.889	1.976
SSP2-26	Jefferson	1.341	1.466	1.581	1.684	1.781	1.872	1.956
SSP3	Jefferson	1.319	1.417	1.494	1.556	1.608	1.650	1.679
SSP3-34	Jefferson	1.318	1.415	1.491	1.536	1.572	1.603	1.622
SSP4	Jefferson	1.339	1.480	1.623	1.763	1.891	2.007	2.110
SSP4-26	Jefferson	1.340	1.481	1.625	1.764	1.891	2.007	2.109
SSP5	Jefferson	1.373	1.559	1.773	2.008	2.252	2.509	2.781
SSP5-26	Jefferson	1.373	1.554	1.763	1.981	2.209	2.442	2.692

Jennings County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Jennings	0.613	0.680	0.748	0.817	0.883	0.945	1.001
SSP1-26	Jennings	0.613	0.680	0.748	0.817	0.883	0.945	1.001
SSP2	Jennings	0.610	0.667	0.720	0.768	0.814	0.857	0.897
SSP2-26	Jennings	0.609	0.665	0.717	0.764	0.808	0.850	0.888
SSP3	Jennings	0.599	0.643	0.678	0.706	0.730	0.749	0.762
SSP3-34	Jennings	0.598	0.642	0.677	0.697	0.714	0.728	0.736
SSP4	Jennings	0.608	0.672	0.736	0.800	0.858	0.911	0.958
SSP4-26	Jennings	0.608	0.672	0.738	0.800	0.858	0.911	0.957
SSP5	Jennings	0.623	0.707	0.805	0.911	1.022	1.139	1.262
SSP5-26	Jennings	0.623	0.705	0.800	0.899	1.002	1.108	1.222

Johnson County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Johnson	4.131	4.580	5.042	5.505	5.949	6.367	6.748
SSP1-26	Johnson	4.131	4.580	5.042	5.505	5.949	6.367	6.748
SSP2	Johnson	4.107	4.495	4.850	5.176	5.484	5.775	6.044
SSP2-26	Johnson	4.102	4.484	4.834	5.149	5.447	5.725	5.982
SSP3	Johnson	4.033	4.332	4.569	4.759	4.918	5.047	5.135
SSP3-34	Johnson	4.032	4.326	4.559	4.697	4.808	4.903	4.959
SSP4	Johnson	4.096	4.526	4.963	5.390	5.782	6.138	6.453
SSP4-26	Johnson	4.096	4.530	4.970	5.393	5.782	6.136	6.450
SSP5	Johnson	4.198	4.767	5.422	6.140	6.886	7.674	8.506
SSP5-26	Johnson	4.198	4.751	5.392	6.057	6.755	7.469	8.232

### Knox County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Knox	1.763	1.955	2.152	2.350	2.539	2.718	2.881
SSP1-26	Knox	1.763	1.955	2.152	2.350	2.539	2.718	2.881
SSP2	Knox	1.753	1.919	2.071	2.210	2.341	2.465	2.580
SSP2-26	Knox	1.751	1.914	2.063	2.198	2.325	2.444	2.554
SSP3	Knox	1.722	1.849	1.950	2.032	2.100	2.155	2.192
SSP3-34	Knox	1.721	1.847	1.946	2.005	2.053	2.093	2.117
SSP4	Knox	1.748	1.932	2.118	2.301	2.468	2.620	2.755
SSP4-26	Knox	1.749	1.934	2.122	2.302	2.468	2.620	2.754
SSP5	Knox	1.792	2.035	2.315	2.621	2.940	3.276	3.631
SSP5-26	Knox	1.792	2.028	2.302	2.586	2.883	3.189	3.514

### Kosciusko County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Kosciusko	4.329	4.800	5.284	5.768	6.234	6.672	7.071
SSP1-26	Kosciusko	4.329	4.800	5.284	5.768	6.234	6.672	7.071
SSP2	Kosciusko	4.304	4.711	5.083	5.424	5.747	6.052	6.334
SSP2-26	Kosciusko	4.299	4.699	5.065	5.395	5.709	6.000	6.269
SSP3	Kosciusko	4.227	4.540	4.788	4.988	5.154	5.289	5.381
SSP3-34	Kosciusko	4.225	4.534	4.778	4.923	5.039	5.138	5.197
SSP4	Kosciusko	4.292	4.743	5.200	5.648	6.060	6.432	6.762
SSP4-26	Kosciusko	4.293	4.747	5.208	5.652	6.059	6.431	6.760
SSP5	Kosciusko	4.399	4.995	5.682	6.435	7.216	8.041	8.914
SSP5-26	Kosciusko	4.399	4.979	5.650	6.347	7.078	7.827	8.627

### Lagrange County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Lagrange	1.298	1.439	1.584	1.729	1.869	2.000	2.120
SSP1-26	Lagrange	1.298	1.439	1.584	1.729	1.869	2.000	2.120
SSP2	Lagrange	1.290	1.412	1.524	1.626	1.723	1.814	1.899
SSP2-26	Lagrange	1.289	1.409	1.518	1.617	1.711	1.799	1.879
SSP3	Lagrange	1.267	1.361	1.435	1.495	1.545	1.586	1.613
SSP3-34	Lagrange	1.267	1.359	1.432	1.476	1.511	1.540	1.558
SSP4	Lagrange	1.287	1.422	1.559	1.693	1.817	1.928	2.027
SSP4-26	Lagrange	1.287	1.423	1.561	1.694	1.816	1.928	2.026
SSP5	Lagrange	1.319	1.498	1.703	1.929	2.163	2.411	2.672
SSP5-26	Lagrange	1.319	1.493	1.694	1.903	2.122	2.347	2.586

### Lake County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Lake	20.862	23.134	25.466	27.802	30.044	32.156	34.081
SSP1-26	Lake	20.862	23.134	25.466	27.802	30.044	32.156	34.081
SSP2	Lake	20.744	22.705	24.498	26.142	27.699	29.170	30.525
SSP2-26	Lake	20.718	22.647	24.413	26.004	27.513	28.917	30.212
SSP3	Lake	20.372	21.882	23.077	24.039	24.841	25.493	25.936
SSP3-34	Lake	20.364	21.852	23.028	23.726	24.285	24.763	25.048
SSP4	Lake	20.687	22.860	25.065	27.223	29.206	31.001	32.591
SSP4-26	Lake	20.689	22.880	25.101	27.240	29.203	30.993	32.579
SSP5	Lake	21.204	24.076	27.384	31.014	34.779	38.757	42.961
SSP5-26	Lake	21.204	23.996	27.232	30.590	34.115	37.726	41.579

LaPorte County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	LaPorte	3.806	4.221	4.646	5.072	5.482	5.867	6.218
SSP1-26	LaPorte	3.806	4.221	4.646	5.072	5.482	5.867	6.218
SSP2	LaPorte	3.785	4.142	4.470	4.770	5.054	5.322	5.569
SSP2-26	LaPorte	3.780	4.132	4.454	4.744	5.020	5.276	5.512
SSP3	LaPorte	3.717	3.992	4.210	4.386	4.532	4.651	4.732
SSP3-34	LaPorte	3.715	3.987	4.201	4.329	4.431	4.518	4.570
SSP4	LaPorte	3.774	4.171	4.573	4.967	5.328	5.656	5.946
SSP4-26	LaPorte	3.775	4.174	4.580	4.970	5.328	5.655	5.944
SSP5	LaPorte	3.869	4.393	4.996	5.658	6.345	7.071	7.838
SSP5-26	LaPorte	3.869	4.378	4.968	5.581	6.224	6.883	7.586

Lawrence County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Lawrence	1.224	1.358	1.494	1.631	1.763	1.887	2.000
SSP1-26	Lawrence	1.224	1.358	1.494	1.631	1.763	1.887	2.000
SSP2	Lawrence	1.217	1.332	1.438	1.534	1.625	1.712	1.791
SSP2-26	Lawrence	1.216	1.329	1.433	1.526	1.614	1.697	1.773
SSP3	Lawrence	1.195	1.284	1.354	1.411	1.458	1.496	1.522
SSP3-34	Lawrence	1.195	1.282	1.351	1.392	1.425	1.453	1.470
SSP4	Lawrence	1.214	1.341	1.471	1.597	1.714	1.819	1.912
SSP4-26	Lawrence	1.214	1.343	1.473	1.598	1.714	1.819	1.912
SSP5	Lawrence	1.244	1.413	1.607	1.820	2.041	2.274	2.521
SSP5-26	Lawrence	1.244	1.408	1.598	1.795	2.002	2.214	2.440

Madison County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Madison	3.373	3.740	4.117	4.495	4.857	5.199	5.510
SSP1-26	Madison	3.373	3.740	4.117	4.495	4.857	5.199	5.510
SSP2	Madison	3.354	3.671	3.961	4.226	4.478	4.716	4.935
SSP2-26	Madison	3.350	3.661	3.947	4.204	4.448	4.675	4.884
SSP3	Madison	3.294	3.538	3.731	3.886	4.016	4.121	4.193
SSP3-34	Madison	3.292	3.533	3.723	3.836	3.926	4.003	4.050
SSP4	Madison	3.344	3.696	4.052	4.401	4.722	5.012	5.269
SSP4-26	Madison	3.345	3.699	4.058	4.404	4.721	5.011	5.267
SSP5	Madison	3.428	3.892	4.427	5.014	5.623	6.266	6.945
SSP5-26	Madison	3.428	3.879	4.403	4.946	5.515	6.099	6.722

Marion County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Marion	81.625	90.512	99.637	108.778	117.551	125.813	133.344
SSP1-26	Marion	81.625	90.512	99.637	108.778	117.551	125.813	133.344
SSP2	Marion	81.164	88.834	95.850	102.283	108.375	114.129	119.433
SSP2-26	Marion	81.062	88.610	95.518	101.743	107.647	113.140	118.208
SSP3	Marion	79.707	85.614	90.291	94.053	97.191	99.742	101.476
SSP3-34	Marion	79.677	85.498	90.100	92.829	95.018	96.886	98.002
SSP4	Marion	80.939	89.441	98.067	106.512	114.269	121.293	127.516
SSP4-26	Marion	80.949	89.521	98.211	106.577	114.261	121.263	127.467
SSP5	Marion	82.962	94.201	107.143	121.343	136.075	151.639	168.088
SSP5-26	Marion	82.962	93.886	106.548	119.687	133.479	147.606	162.681

### Marshall County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Marshall	1.562	1.732	1.907	2.082	2.250	2.408	2.552
SSP1-26	Marshall	1.562	1.732	1.907	2.082	2.250	2.408	2.552
SSP2	Marshall	1.553	1.700	1.834	1.958	2.074	2.184	2.286
SSP2-26	Marshall	1.551	1.696	1.828	1.947	2.060	2.165	2.262
SSP3	Marshall	1.526	1.639	1.728	1.800	1.860	1.909	1.942
SSP3-34	Marshall	1.525	1.636	1.724	1.777	1.819	1.854	1.876
SSP4	Marshall	1.549	1.712	1.877	2.039	2.187	2.321	2.441
SSP4-26	Marshall	1.549	1.713	1.880	2.040	2.187	2.321	2.440
SSP5	Marshall	1.588	1.803	2.051	2.322	2.604	2.902	3.217
SSP5-26	Marshall	1.588	1.797	2.039	2.291	2.555	2.825	3.114

### Martin County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Martin	0.897	0.994	1.095	1.195	1.291	1.382	1.465
SSP1-26	Martin	0.897	0.994	1.095	1.195	1.291	1.382	1.465
SSP2	Martin	0.892	0.976	1.053	1.124	1.191	1.254	1.312
SSP2-26	Martin	0.890	0.973	1.049	1.118	1.183	1.243	1.299
SSP3	Martin	0.876	0.940	0.992	1.033	1.068	1.096	1.115
SSP3-34	Martin	0.875	0.939	0.990	1.020	1.044	1.064	1.077
SSP4	Martin	0.889	0.983	1.077	1.170	1.255	1.332	1.401
SSP4-26	Martin	0.889	0.983	1.079	1.171	1.255	1.332	1.400
SSP5	Martin	0.911	1.035	1.177	1.333	1.495	1.666	1.846
SSP5-26	Martin	0.911	1.031	1.170	1.315	1.466	1.621	1.787

Miami County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Miami	0.812	0.900	0.991	1.082	1.169	1.252	1.326
SSP1-26	Miami	0.812	0.900	0.991	1.082	1.169	1.252	1.326
SSP2	Miami	0.807	0.884	0.953	1.017	1.078	1.135	1.188
SSP2-26	Miami	0.806	0.881	0.950	1.012	1.071	1.125	1.176
SSP3	Miami	0.793	0.852	0.898	0.936	0.967	0.992	1.009
SSP3-34	Miami	0.793	0.851	0.896	0.923	0.945	0.964	0.975
SSP4	Miami	0.805	0.890	0.976	1.060	1.137	1.207	1.269
SSP4-26	Miami	0.805	0.891	0.977	1.060	1.137	1.206	1.268
SSP5	Miami	0.825	0.937	1.066	1.207	1.354	1.508	1.672
SSP5-26	Miami	0.825	0.934	1.060	1.191	1.328	1.468	1.618

Monroe County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Monroe	5.806	6.439	7.088	7.738	8.362	8.950	9.486
SSP1-26	Monroe	5.806	6.439	7.088	7.738	8.362	8.950	9.486
SSP2	Monroe	5.774	6.319	6.818	7.276	7.709	8.119	8.496
SSP2-26	Monroe	5.766	6.303	6.795	7.238	7.658	8.048	8.409
SSP3	Monroe	5.670	6.090	6.423	6.691	6.914	7.095	7.219
SSP3-34	Monroe	5.668	6.082	6.409	6.603	6.759	6.892	6.971
SSP4	Monroe	5.758	6.362	6.976	7.577	8.129	8.628	9.071
SSP4-26	Monroe	5.758	6.368	6.986	7.581	8.128	8.626	9.067
SSP5	Monroe	5.902	6.701	7.622	8.632	9.680	10.787	11.957
SSP5-26	Monroe	5.902	6.679	7.579	8.514	9.495	10.500	11.572



Montgomery County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Montgomery	1.524	1.690	1.860	2.031	2.195	2.349	2.490
SSP1-26	Montgomery	1.524	1.690	1.860	2.031	2.195	2.349	2.490
SSP2	Montgomery	1.515	1.659	1.790	1.910	2.023	2.131	2.230
SSP2-26	Montgomery	1.513	1.654	1.783	1.900	2.010	2.112	2.207
SSP3	Montgomery	1.488	1.598	1.686	1.756	1.815	1.862	1.895
SSP3-34	Montgomery	1.488	1.596	1.682	1.733	1.774	1.809	1.830
SSP4	Montgomery	1.511	1.670	1.831	1.989	2.133	2.265	2.381
SSP4-26	Montgomery	1.511	1.671	1.834	1.990	2.133	2.264	2.380
SSP5	Montgomery	1.549	1.759	2.000	2.266	2.541	2.831	3.138
SSP5-26	Montgomery	1.549	1.753	1.989	2.235	2.492	2.756	3.037

Morgan County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Morgan	1.429	1.585	1.744	1.904	2.058	2.203	2.334
SSP1-26	Morgan	1.429	1.585	1.744	1.904	2.058	2.203	2.334
SSP2	Morgan	1.421	1.555	1.678	1.791	1.897	1.998	2.091
SSP2-26	Morgan	1.419	1.551	1.672	1.781	1.885	1.981	2.069
SSP3	Morgan	1.395	1.499	1.581	1.647	1.702	1.746	1.777
SSP3-34	Morgan	1.395	1.497	1.577	1.625	1.663	1.696	1.716
SSP4	Morgan	1.417	1.566	1.717	1.865	2.001	2.123	2.232
SSP4-26	Morgan	1.417	1.567	1.719	1.866	2.000	2.123	2.232
SSP5	Morgan	1.452	1.649	1.876	2.124	2.382	2.655	2.943
SSP5-26	Morgan	1.452	1.644	1.865	2.095	2.337	2.584	2.848

Newton County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Newton	0.343	0.381	0.419	0.458	0.495	0.529	0.561
SSP1-26	Newton	0.343	0.381	0.419	0.458	0.495	0.529	0.561
SSP2	Newton	0.341	0.374	0.403	0.430	0.456	0.480	0.502
SSP2-26	Newton	0.341	0.373	0.402	0.428	0.453	0.476	0.497
SSP3	Newton	0.335	0.360	0.380	0.396	0.409	0.420	0.427
SSP3-34	Newton	0.335	0.360	0.379	0.391	0.400	0.408	0.412
SSP4	Newton	0.341	0.376	0.413	0.448	0.481	0.510	0.536
SSP4-26	Newton	0.341	0.377	0.413	0.448	0.481	0.510	0.536
SSP5	Newton	0.349	0.396	0.451	0.510	0.572	0.638	0.707
SSP5-26	Newton	0.349	0.395	0.448	0.504	0.562	0.621	0.684

Noble County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Noble	1.672	1.854	2.041	2.229	2.408	2.578	2.732
SSP1-26	Noble	1.672	1.854	2.041	2.229	2.408	2.578	2.732
SSP2	Noble	1.663	1.820	1.964	2.096	2.220	2.338	2.447
SSP2-26	Noble	1.661	1.816	1.957	2.085	2.206	2.318	2.422
SSP3	Noble	1.633	1.754	1.850	1.927	1.991	2.044	2.079
SSP3-34	Noble	1.632	1.752	1.846	1.902	1.947	1.985	2.008
SSP4	Noble	1.658	1.833	2.009	2.182	2.341	2.485	2.613
SSP4-26	Noble	1.659	1.834	2.012	2.184	2.341	2.485	2.612
SSP5	Noble	1.700	1.930	2.195	2.486	2.788	3.107	3.444
SSP5-26	Noble	1.700	1.924	2.183	2.452	2.735	3.024	3.333

### Ohio County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Ohio	0.116	0.128	0.141	0.154	0.167	0.178	0.189
SSP1-26	Ohio	0.116	0.128	0.141	0.154	0.167	0.178	0.189
SSP2	Ohio	0.115	0.126	0.136	0.145	0.154	0.162	0.169
SSP2-26	Ohio	0.115	0.126	0.135	0.144	0.153	0.160	0.168
SSP3	Ohio	0.113	0.121	0.128	0.133	0.138	0.141	0.144
SSP3-34	Ohio	0.113	0.121	0.128	0.132	0.135	0.137	0.139
SSP4	Ohio	0.115	0.127	0.139	0.151	0.162	0.172	0.181
SSP4-26	Ohio	0.115	0.127	0.139	0.151	0.162	0.172	0.181
SSP5	Ohio	0.118	0.134	0.152	0.172	0.193	0.215	0.238
SSP5-26	Ohio	0.118	0.133	0.151	0.170	0.189	0.209	0.231

### Orange County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Orange	0.583	0.646	0.711	0.777	0.839	0.898	0.952
SSP1-26	Orange	0.583	0.646	0.711	0.777	0.839	0.898	0.952
SSP2	Orange	0.580	0.634	0.684	0.730	0.774	0.815	0.853
SSP2-26	Orange	0.579	0.633	0.682	0.726	0.769	0.808	0.844
SSP3	Orange	0.569	0.611	0.645	0.672	0.694	0.712	0.725
SSP3-34	Orange	0.569	0.610	0.643	0.663	0.678	0.692	0.700
SSP4	Orange	0.578	0.639	0.700	0.761	0.816	0.866	0.910
SSP4-26	Orange	0.578	0.639	0.701	0.761	0.816	0.866	0.910
SSP5	Orange	0.592	0.673	0.765	0.866	0.972	1.083	1.200
SSP5-26	Orange	0.592	0.670	0.761	0.855	0.953	1.054	1.162

Owen County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Owen	0.441	0.489	0.539	0.588	0.636	0.680	0.721
SSP1-26	Owen	0.441	0.489	0.539	0.588	0.636	0.680	0.721
SSP2	Owen	0.439	0.480	0.518	0.553	0.586	0.617	0.646
SSP2-26	Owen	0.438	0.479	0.516	0.550	0.582	0.612	0.639
SSP3	Owen	0.431	0.463	0.488	0.509	0.526	0.539	0.549
SSP3-34	Owen	0.431	0.462	0.487	0.502	0.514	0.524	0.530
SSP4	Owen	0.438	0.484	0.530	0.576	0.618	0.656	0.689
SSP4-26	Owen	0.438	0.484	0.531	0.576	0.618	0.656	0.689
SSP5	Owen	0.449	0.509	0.579	0.656	0.736	0.820	0.909
SSP5-26	Owen	0.449	0.508	0.576	0.647	0.722	0.798	0.880

Parke County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Parke	0.307	0.340	0.374	0.409	0.441	0.472	0.501
SSP1-26	Parke	0.307	0.340	0.374	0.409	0.441	0.472	0.501
SSP2	Parke	0.305	0.334	0.360	0.384	0.407	0.429	0.449
SSP2-26	Parke	0.304	0.333	0.359	0.382	0.404	0.425	0.444
SSP3	Parke	0.299	0.322	0.339	0.353	0.365	0.375	0.381
SSP3-34	Parke	0.299	0.321	0.338	0.349	0.357	0.364	0.368
SSP4	Parke	0.304	0.336	0.368	0.400	0.429	0.456	0.479
SSP4-26	Parke	0.304	0.336	0.369	0.400	0.429	0.455	0.479
SSP5	Parke	0.312	0.354	0.402	0.456	0.511	0.569	0.631
SSP5-26	Parke	0.312	0.353	0.400	0.449	0.501	0.554	0.611

Perry County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Perry	0.649	0.720	0.793	0.866	0.935	1.001	1.061
SSP1-26	Perry	0.649	0.720	0.793	0.866	0.935	1.001	1.061
SSP2	Perry	0.646	0.707	0.763	0.814	0.862	0.908	0.950
SSP2-26	Perry	0.645	0.705	0.760	0.810	0.857	0.900	0.941
SSP3	Perry	0.634	0.681	0.718	0.748	0.773	0.794	0.807
SSP3-34	Perry	0.634	0.680	0.717	0.739	0.756	0.771	0.780
SSP4	Perry	0.644	0.712	0.780	0.848	0.909	0.965	1.015
SSP4-26	Perry	0.644	0.712	0.781	0.848	0.909	0.965	1.014
SSP5	Perry	0.660	0.750	0.853	0.966	1.083	1.207	1.337
SSP5-26	Perry	0.660	0.747	0.848	0.952	1.062	1.174	1.294

Pike County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Pike	0.803	0.891	0.980	1.070	1.157	1.238	1.312
SSP1-26	Pike	0.803	0.891	0.980	1.070	1.157	1.238	1.312
SSP2	Pike	0.799	0.874	0.943	1.006	1.066	1.123	1.175
SSP2-26	Pike	0.798	0.872	0.940	1.001	1.059	1.113	1.163
SSP3	Pike	0.784	0.842	0.888	0.925	0.956	0.981	0.998
SSP3-34	Pike	0.784	0.841	0.886	0.913	0.935	0.953	0.964
SSP4	Pike	0.796	0.880	0.965	1.048	1.124	1.193	1.255
SSP4-26	Pike	0.796	0.881	0.966	1.049	1.124	1.193	1.254
SSP5	Pike	0.816	0.927	1.054	1.194	1.339	1.492	1.654
SSP5-26	Pike	0.816	0.924	1.048	1.178	1.313	1.452	1.601

Porter County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Porter	5.937	6.583	7.247	7.911	8.550	9.150	9.698
SSP1-26	Porter	5.937	6.583	7.247	7.911	8.550	9.150	9.698
SSP2	Porter	5.903	6.461	6.971	7.439	7.882	8.301	8.686
SSP2-26	Porter	5.896	6.445	6.947	7.400	7.829	8.229	8.597
SSP3	Porter	5.797	6.227	6.567	6.841	7.069	7.254	7.380
SSP3-34	Porter	5.795	6.218	6.553	6.751	6.911	7.047	7.128
SSP4	Porter	5.887	6.505	7.132	7.747	8.311	8.822	9.274
SSP4-26	Porter	5.887	6.511	7.143	7.751	8.310	8.819	9.271
SSP5	Porter	6.034	6.851	7.792	8.825	9.897	11.029	12.225
SSP5-26	Porter	6.034	6.828	7.749	8.705	9.708	10.735	11.832

Posey County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Posey	1.510	1.674	1.843	2.012	2.175	2.327	2.467
SSP1-26	Posey	1.510	1.674	1.843	2.012	2.175	2.327	2.467
SSP2	Posey	1.501	1.643	1.773	1.892	2.005	2.111	2.209
SSP2-26	Posey	1.500	1.639	1.767	1.882	1.991	2.093	2.187
SSP3	Posey	1.474	1.584	1.670	1.740	1.798	1.845	1.877
SSP3-34	Posey	1.474	1.582	1.667	1.717	1.758	1.792	1.813
SSP4	Posey	1.497	1.655	1.814	1.970	2.114	2.244	2.359
SSP4-26	Posey	1.497	1.656	1.817	1.972	2.114	2.243	2.358
SSP5	Posey	1.535	1.743	1.982	2.245	2.517	2.805	3.109
SSP5-26	Posey	1.535	1.737	1.971	2.214	2.469	2.731	3.009

Pulaski County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Pulaski	0.501	0.556	0.612	0.668	0.722	0.773	0.819
SSP1-26	Pulaski	0.501	0.556	0.612	0.668	0.722	0.773	0.819
SSP2	Pulaski	0.499	0.546	0.589	0.628	0.666	0.701	0.734
SSP2-26	Pulaski	0.498	0.544	0.587	0.625	0.661	0.695	0.726
SSP3	Pulaski	0.490	0.526	0.555	0.578	0.597	0.613	0.623
SSP3-34	Pulaski	0.489	0.525	0.553	0.570	0.584	0.595	0.602
SSP4	Pulaski	0.497	0.549	0.602	0.654	0.702	0.745	0.783
SSP4-26	Pulaski	0.497	0.550	0.603	0.655	0.702	0.745	0.783
SSP5	Pulaski	0.510	0.579	0.658	0.745	0.836	0.931	1.032
SSP5-26	Pulaski	0.510	0.577	0.654	0.735	0.820	0.907	0.999

Putnam County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Putnam	0.983	1.090	1.200	1.310	1.415	1.515	1.605
SSP1-26	Putnam	0.983	1.090	1.200	1.310	1.415	1.515	1.605
SSP2	Putnam	0.977	1.069	1.154	1.231	1.305	1.374	1.438
SSP2-26	Putnam	0.976	1.067	1.150	1.225	1.296	1.362	1.423
SSP3	Putnam	0.960	1.031	1.087	1.132	1.170	1.201	1.222
SSP3-34	Putnam	0.959	1.029	1.085	1.118	1.144	1.166	1.180
SSP4	Putnam	0.974	1.077	1.181	1.282	1.376	1.460	1.535
SSP4-26	Putnam	0.975	1.078	1.182	1.283	1.376	1.460	1.535
SSP5	Putnam	0.999	1.134	1.290	1.461	1.638	1.826	2.024
SSP5-26	Putnam	0.999	1.130	1.283	1.441	1.607	1.777	1.958

Randolph County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Randolph	0.734	0.814	0.896	0.979	1.058	1.132	1.200
SSP1-26	Randolph	0.734	0.814	0.896	0.979	1.058	1.132	1.200
SSP2	Randolph	0.730	0.799	0.862	0.920	0.975	1.027	1.075
SSP2-26	Randolph	0.729	0.797	0.859	0.915	0.969	1.018	1.064
SSP3	Randolph	0.717	0.770	0.812	0.846	0.874	0.897	0.913
SSP3-34	Randolph	0.717	0.769	0.811	0.835	0.855	0.872	0.882
SSP4	Randolph	0.728	0.805	0.882	0.958	1.028	1.091	1.147
SSP4-26	Randolph	0.728	0.805	0.884	0.959	1.028	1.091	1.147
SSP5	Randolph	0.746	0.848	0.964	1.092	1.224	1.364	1.512
SSP5-26	Randolph	0.746	0.845	0.959	1.077	1.201	1.328	1.464

Ripley County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Ripley	1.155	1.281	1.410	1.540	1.664	1.781	1.887
SSP1-26	Ripley	1.155	1.281	1.410	1.540	1.664	1.781	1.887
SSP2	Ripley	1.149	1.257	1.357	1.448	1.534	1.615	1.691
SSP2-26	Ripley	1.147	1.254	1.352	1.440	1.524	1.601	1.673
SSP3	Ripley	1.128	1.212	1.278	1.331	1.376	1.412	1.436
SSP3-34	Ripley	1.128	1.210	1.275	1.314	1.345	1.371	1.387
SSP4	Ripley	1.146	1.266	1.388	1.508	1.617	1.717	1.805
SSP4-26	Ripley	1.146	1.267	1.390	1.509	1.617	1.716	1.804
SSP5	Ripley	1.174	1.333	1.517	1.718	1.926	2.146	2.379
SSP5-26	Ripley	1.174	1.329	1.508	1.694	1.889	2.089	2.303



Rush County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Rush	0.501	0.556	0.612	0.668	0.722	0.772	0.818
SSP1-26	Rush	0.501	0.556	0.612	0.668	0.722	0.772	0.818
SSP2	Rush	0.498	0.545	0.588	0.628	0.665	0.701	0.733
SSP2-26	Rush	0.498	0.544	0.586	0.625	0.661	0.694	0.726
SSP3	Rush	0.489	0.526	0.554	0.577	0.597	0.612	0.623
SSP3-34	Rush	0.489	0.525	0.553	0.570	0.583	0.595	0.602
SSP4	Rush	0.497	0.549	0.602	0.654	0.701	0.745	0.783
SSP4-26	Rush	0.497	0.549	0.603	0.654	0.701	0.744	0.782
SSP5	Rush	0.509	0.578	0.658	0.745	0.835	0.931	1.032
SSP5-26	Rush	0.509	0.576	0.654	0.735	0.819	0.906	0.999

Scott County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Scott	0.591	0.655	0.722	0.788	0.851	0.911	0.966
SSP1-26	Scott	0.591	0.655	0.722	0.788	0.851	0.911	0.966
SSP2	Scott	0.588	0.643	0.694	0.741	0.785	0.826	0.865
SSP2-26	Scott	0.587	0.642	0.692	0.737	0.780	0.819	0.856
SSP3	Scott	0.577	0.620	0.654	0.681	0.704	0.722	0.735
SSP3-34	Scott	0.577	0.619	0.652	0.672	0.688	0.702	0.710
SSP4	Scott	0.586	0.648	0.710	0.771	0.827	0.878	0.923
SSP4-26	Scott	0.586	0.648	0.711	0.772	0.827	0.878	0.923
SSP5	Scott	0.601	0.682	0.776	0.879	0.985	1.098	1.217
SSP5-26	Scott	0.601	0.680	0.772	0.867	0.967	1.069	1.178

Shelby County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Shelby	1.890	2.096	2.307	2.519	2.722	2.913	3.088
SSP1-26	Shelby	1.890	2.096	2.307	2.519	2.722	2.913	3.088
SSP2	Shelby	1.879	2.057	2.219	2.368	2.509	2.643	2.766
SSP2-26	Shelby	1.877	2.052	2.212	2.356	2.493	2.620	2.737
SSP3	Shelby	1.846	1.982	2.091	2.178	2.251	2.310	2.350
SSP3-34	Shelby	1.845	1.980	2.086	2.150	2.200	2.243	2.269
SSP4	Shelby	1.874	2.071	2.271	2.466	2.646	2.809	2.953
SSP4-26	Shelby	1.874	2.073	2.274	2.468	2.646	2.808	2.952
SSP5	Shelby	1.921	2.181	2.481	2.810	3.151	3.511	3.892
SSP5-26	Shelby	1.921	2.174	2.467	2.771	3.091	3.418	3.767

Spencer County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Spencer	1.207	1.339	1.474	1.609	1.738	1.861	1.972
SSP1-26	Spencer	1.207	1.339	1.474	1.609	1.738	1.861	1.972
SSP2	Spencer	1.200	1.314	1.418	1.513	1.603	1.688	1.766
SSP2-26	Spencer	1.199	1.310	1.413	1.505	1.592	1.673	1.748
SSP3	Spencer	1.179	1.266	1.335	1.391	1.437	1.475	1.501
SSP3-34	Spencer	1.178	1.264	1.332	1.373	1.405	1.433	1.449
SSP4	Spencer	1.197	1.323	1.450	1.575	1.690	1.794	1.886
SSP4-26	Spencer	1.197	1.324	1.452	1.576	1.690	1.793	1.885
SSP5	Spencer	1.227	1.393	1.585	1.795	2.012	2.243	2.486
SSP5-26	Spencer	1.227	1.388	1.576	1.770	1.974	2.183	2.406

### Starke County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Starke	0.434	0.481	0.529	0.578	0.625	0.669	0.709
SSP1-26	Starke	0.434	0.481	0.529	0.578	0.625	0.669	0.709
SSP2	Starke	0.431	0.472	0.509	0.543	0.576	0.606	0.635
SSP2-26	Starke	0.431	0.471	0.508	0.541	0.572	0.601	0.628
SSP3	Starke	0.424	0.455	0.480	0.500	0.516	0.530	0.539
SSP3-34	Starke	0.423	0.454	0.479	0.493	0.505	0.515	0.521
SSP4	Starke	0.430	0.475	0.521	0.566	0.607	0.644	0.678
SSP4-26	Starke	0.430	0.476	0.522	0.566	0.607	0.644	0.677
SSP5	Starke	0.441	0.501	0.569	0.645	0.723	0.806	0.893
SSP5-26	Starke	0.441	0.499	0.566	0.636	0.709	0.784	0.864

### Steuben County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Steuben	1.262	1.399	1.540	1.682	1.817	1.945	2.061
SSP1-26	Steuben	1.262	1.399	1.540	1.682	1.817	1.945	2.061
SSP2	Steuben	1.255	1.373	1.482	1.581	1.675	1.764	1.846
SSP2-26	Steuben	1.253	1.370	1.477	1.573	1.664	1.749	1.827
SSP3	Steuben	1.232	1.323	1.396	1.454	1.502	1.542	1.569
SSP3-34	Steuben	1.232	1.322	1.393	1.435	1.469	1.498	1.515
SSP4	Steuben	1.251	1.383	1.516	1.647	1.766	1.875	1.971
SSP4-26	Steuben	1.251	1.384	1.518	1.648	1.766	1.875	1.970
SSP5	Steuben	1.282	1.456	1.656	1.876	2.104	2.344	2.598
SSP5-26	Steuben	1.282	1.451	1.647	1.850	2.063	2.282	2.515

### Sullivan County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Sullivan	0.924	1.025	1.128	1.232	1.331	1.425	1.510
SSP1-26	Sullivan	0.924	1.025	1.128	1.232	1.331	1.425	1.510
SSP2	Sullivan	0.919	1.006	1.085	1.158	1.227	1.292	1.352
SSP2-26	Sullivan	0.918	1.003	1.082	1.152	1.219	1.281	1.339
SSP3	Sullivan	0.903	0.969	1.022	1.065	1.101	1.129	1.149
SSP3-34	Sullivan	0.902	0.968	1.020	1.051	1.076	1.097	1.110
SSP4	Sullivan	0.917	1.013	1.110	1.206	1.294	1.373	1.444
SSP4-26	Sullivan	0.917	1.014	1.112	1.207	1.294	1.373	1.443
SSP5	Sullivan	0.939	1.067	1.213	1.374	1.541	1.717	1.903
SSP5-26	Sullivan	0.939	1.063	1.207	1.355	1.511	1.671	1.842

### Switzerland County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Switzerland	0.212	0.235	0.259	0.282	0.305	0.327	0.346
SSP1-26	Switzerland	0.212	0.235	0.259	0.282	0.305	0.327	0.346
SSP2	Switzerland	0.211	0.231	0.249	0.265	0.281	0.296	0.310
SSP2-26	Switzerland	0.210	0.230	0.248	0.264	0.279	0.294	0.307
SSP3	Switzerland	0.207	0.222	0.234	0.244	0.252	0.259	0.263
SSP3-34	Switzerland	0.207	0.222	0.234	0.241	0.247	0.251	0.254
SSP4	Switzerland	0.210	0.232	0.255	0.276	0.297	0.315	0.331
SSP4-26	Switzerland	0.210	0.232	0.255	0.277	0.297	0.315	0.331
SSP5	Switzerland	0.215	0.245	0.278	0.315	0.353	0.394	0.436
SSP5-26	Switzerland	0.215	0.244	0.277	0.311	0.346	0.383	0.422

Tipton County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Tipton	0.504	0.559	0.615	0.671	0.725	0.776	0.823
SSP1-26	Tipton	0.504	0.559	0.615	0.671	0.725	0.776	0.823
SSP2	Tipton	0.501	0.548	0.591	0.631	0.669	0.704	0.737
SSP2-26	Tipton	0.500	0.547	0.589	0.628	0.664	0.698	0.729
SSP3	Tipton	0.492	0.528	0.557	0.580	0.600	0.616	0.626
SSP3-34	Tipton	0.492	0.528	0.556	0.573	0.586	0.598	0.605
SSP4	Tipton	0.499	0.552	0.605	0.657	0.705	0.748	0.787
SSP4-26	Tipton	0.500	0.552	0.606	0.658	0.705	0.748	0.787
SSP5	Tipton	0.512	0.581	0.661	0.749	0.840	0.936	1.037
SSP5-26	Tipton	0.512	0.579	0.658	0.739	0.824	0.911	1.004

Union County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Union	0.131	0.145	0.160	0.175	0.189	0.202	0.214
SSP1-26	Union	0.131	0.145	0.160	0.175	0.189	0.202	0.214
SSP2	Union	0.130	0.143	0.154	0.164	0.174	0.183	0.192
SSP2-26	Union	0.130	0.142	0.153	0.163	0.173	0.182	0.190
SSP3	Union	0.128	0.137	0.145	0.151	0.156	0.160	0.163
SSP3-34	Union	0.128	0.137	0.145	0.149	0.153	0.156	0.157
SSP4	Union	0.130	0.144	0.157	0.171	0.184	0.195	0.205
SSP4-26	Union	0.130	0.144	0.158	0.171	0.184	0.195	0.205
SSP5	Union	0.133	0.151	0.172	0.195	0.219	0.244	0.270
SSP5-26	Union	0.133	0.151	0.171	0.192	0.214	0.237	0.261

Vanderburgh County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Vanderburgh	10.289	11.410	12.560	13.712	14.818	15.860	16.809
SSP1-26	Vanderburgh	10.289	11.410	12.560	13.712	14.818	15.860	16.809
SSP2	Vanderburgh	10.231	11.198	12.083	12.893	13.661	14.387	15.055
SSP2-26	Vanderburgh	10.218	11.170	12.041	12.825	13.570	14.262	14.901
SSP3	Vanderburgh	10.048	10.792	11.382	11.856	12.252	12.573	12.792
SSP3-34	Vanderburgh	10.044	10.778	11.358	11.702	11.978	12.213	12.354
SSP4	Vanderburgh	10.203	11.275	12.362	13.427	14.404	15.290	16.074
SSP4-26	Vanderburgh	10.204	11.285	12.380	13.435	14.403	15.286	16.068
SSP5	Vanderburgh	10.458	11.875	13.506	15.296	17.153	19.115	21.189
SSP5-26	Vanderburgh	10.458	11.835	13.431	15.087	16.826	18.607	20.507

Vermillion County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Vermillion	0.761	0.844	0.929	1.014	1.096	1.173	1.243
SSP1-26	Vermillion	0.761	0.844	0.929	1.014	1.096	1.173	1.243
SSP2	Vermillion	0.757	0.828	0.894	0.954	1.011	1.064	1.114
SSP2-26	Vermillion	0.756	0.826	0.891	0.949	1.004	1.055	1.102
SSP3	Vermillion	0.743	0.798	0.842	0.877	0.906	0.930	0.946
SSP3-34	Vermillion	0.743	0.797	0.840	0.866	0.886	0.903	0.914
SSP4	Vermillion	0.755	0.834	0.914	0.993	1.066	1.131	1.189
SSP4-26	Vermillion	0.755	0.835	0.916	0.994	1.065	1.131	1.189
SSP5	Vermillion	0.774	0.878	0.999	1.131	1.269	1.414	1.567
SSP5-26	Vermillion	0.774	0.875	0.994	1.116	1.245	1.376	1.517

Vigo County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Vigo	4.557	5.053	5.562	6.073	6.563	7.024	7.444
SSP1-26	Vigo	4.557	5.053	5.562	6.073	6.563	7.024	7.444
SSP2	Vigo	4.531	4.959	5.351	5.710	6.050	6.372	6.668
SSP2-26	Vigo	4.525	4.947	5.333	5.680	6.010	6.316	6.599
SSP3	Vigo	4.450	4.780	5.041	5.251	5.426	5.568	5.665
SSP3-34	Vigo	4.448	4.773	5.030	5.182	5.305	5.409	5.471
SSP4	Vigo	4.519	4.993	5.475	5.946	6.379	6.772	7.119
SSP4-26	Vigo	4.519	4.998	5.483	5.950	6.379	6.770	7.116
SSP5	Vigo	4.632	5.259	5.982	6.774	7.597	8.466	9.384
SSP5-26	Vigo	4.632	5.241	5.948	6.682	7.452	8.241	9.082

Wabash County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Wabash	1.091	1.210	1.332	1.454	1.571	1.682	1.782
SSP1-26	Wabash	1.091	1.210	1.332	1.454	1.571	1.682	1.782
SSP2	Wabash	1.085	1.187	1.281	1.367	1.449	1.526	1.596
SSP2-26	Wabash	1.084	1.184	1.277	1.360	1.439	1.512	1.580
SSP3	Wabash	1.065	1.144	1.207	1.257	1.299	1.333	1.356
SSP3-34	Wabash	1.065	1.143	1.204	1.241	1.270	1.295	1.310
SSP4	Wabash	1.082	1.196	1.311	1.424	1.527	1.621	1.705
SSP4-26	Wabash	1.082	1.197	1.313	1.425	1.527	1.621	1.704
SSP5	Wabash	1.109	1.259	1.432	1.622	1.819	2.027	2.247
SSP5-26	Wabash	1.109	1.255	1.424	1.600	1.784	1.973	2.175

Warren County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Warren	0.239	0.265	0.292	0.319	0.345	0.369	0.391
SSP1-26	Warren	0.239	0.265	0.292	0.319	0.345	0.369	0.391
SSP2	Warren	0.238	0.260	0.281	0.300	0.318	0.335	0.350
SSP2-26	Warren	0.238	0.260	0.280	0.298	0.316	0.332	0.346
SSP3	Warren	0.234	0.251	0.265	0.276	0.285	0.292	0.297
SSP3-34	Warren	0.234	0.251	0.264	0.272	0.279	0.284	0.287
SSP4	Warren	0.237	0.262	0.287	0.312	0.335	0.356	0.374
SSP4-26	Warren	0.237	0.262	0.288	0.312	0.335	0.355	0.374
SSP5	Warren	0.243	0.276	0.314	0.356	0.399	0.444	0.493
SSP5-26	Warren	0.243	0.275	0.312	0.351	0.391	0.433	0.477

Warrick County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Warrick	1.889	2.095	2.306	2.517	2.720	2.912	3.086
SSP1-26	Warrick	1.889	2.095	2.306	2.517	2.720	2.912	3.086
SSP2	Warrick	1.878	2.056	2.218	2.367	2.508	2.641	2.764
SSP2-26	Warrick	1.876	2.051	2.210	2.354	2.491	2.618	2.735
SSP3	Warrick	1.845	1.981	2.089	2.177	2.249	2.308	2.348
SSP3-34	Warrick	1.844	1.979	2.085	2.148	2.199	2.242	2.268
SSP4	Warrick	1.873	2.070	2.269	2.465	2.644	2.807	2.951
SSP4-26	Warrick	1.873	2.072	2.273	2.466	2.644	2.806	2.950
SSP5	Warrick	1.920	2.180	2.479	2.808	3.149	3.509	3.890
SSP5-26	Warrick	1.920	2.173	2.466	2.770	3.089	3.416	3.765



Washington County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Washington	0.563	0.624	0.687	0.750	0.811	0.868	0.920
SSP1-26	Washington	0.563	0.624	0.687	0.750	0.811	0.868	0.920
SSP2	Washington	0.560	0.613	0.661	0.706	0.748	0.787	0.824
SSP2-26	Washington	0.559	0.611	0.659	0.702	0.743	0.781	0.815
SSP3	Washington	0.550	0.591	0.623	0.649	0.670	0.688	0.700
SSP3-34	Washington	0.550	0.590	0.622	0.640	0.656	0.668	0.676
SSP4	Washington	0.558	0.617	0.677	0.735	0.788	0.837	0.880
SSP4-26	Washington	0.558	0.618	0.678	0.735	0.788	0.837	0.879
SSP5	Washington	0.572	0.650	0.739	0.837	0.939	1.046	1.160
SSP5-26	Washington	0.572	0.648	0.735	0.826	0.921	1.018	1.122

Wayne County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Wayne	2.554	2.832	3.117	3.403	3.678	3.936	4.172
SSP1-26	Wayne	2.554	2.832	3.117	3.403	3.678	3.936	4.172
SSP2	Wayne	2.539	2.779	2.999	3.200	3.391	3.571	3.737
SSP2-26	Wayne	2.536	2.772	2.989	3.183	3.368	3.540	3.698
SSP3	Wayne	2.494	2.679	2.825	2.943	3.041	3.121	3.175
SSP3-34	Wayne	2.493	2.675	2.819	2.904	2.973	3.031	3.066
SSP4	Wayne	2.532	2.798	3.068	3.333	3.575	3.795	3.990
SSP4-26	Wayne	2.533	2.801	3.073	3.335	3.575	3.794	3.988
SSP5	Wayne	2.596	2.947	3.352	3.797	4.257	4.744	5.259
SSP5-26	Wayne	2.596	2.937	3.334	3.745	4.176	4.618	5.090

Wells County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Wells	0.955	1.059	1.166	1.273	1.376	1.473	1.561
SSP1-26	Wells	0.955	1.059	1.166	1.273	1.376	1.473	1.561
SSP2	Wells	0.950	1.040	1.122	1.197	1.269	1.336	1.398
SSP2-26	Wells	0.949	1.037	1.118	1.191	1.260	1.324	1.384
SSP3	Wells	0.933	1.002	1.057	1.101	1.138	1.168	1.188
SSP3-34	Wells	0.933	1.001	1.055	1.087	1.112	1.134	1.147
SSP4	Wells	0.947	1.047	1.148	1.247	1.338	1.420	1.493
SSP4-26	Wells	0.948	1.048	1.150	1.248	1.337	1.419	1.492
SSP5	Wells	0.971	1.103	1.254	1.420	1.593	1.775	1.968
SSP5-26	Wells	0.971	1.099	1.247	1.401	1.562	1.728	1.904

White County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	White	0.872	0.966	1.064	1.161	1.255	1.343	1.424
SSP1-26	White	0.872	0.966	1.064	1.161	1.255	1.343	1.424
SSP2	White	0.867	0.949	1.023	1.092	1.157	1.219	1.275
SSP2-26	White	0.866	0.946	1.020	1.086	1.149	1.208	1.262
SSP3	White	0.851	0.914	0.964	1.004	1.038	1.065	1.084
SSP3-34	White	0.851	0.913	0.962	0.991	1.015	1.034	1.046
SSP4	White	0.864	0.955	1.047	1.137	1.220	1.295	1.362
SSP4-26	White	0.864	0.956	1.049	1.138	1.220	1.295	1.361
SSP5	White	0.886	1.006	1.144	1.296	1.453	1.619	1.795
SSP5-26	White	0.886	1.002	1.138	1.278	1.425	1.576	1.737

Whitley County

Scenario	Region	2020	2025	2030	2035	2040	2045	2050
SSP1	Whitley	1.097	1.216	1.339	1.462	1.579	1.690	1.792
SSP1-26	Whitley	1.097	1.216	1.339	1.462	1.579	1.690	1.792
SSP2	Whitley	1.091	1.194	1.288	1.374	1.456	1.533	1.605
SSP2-26	Whitley	1.089	1.191	1.283	1.367	1.446	1.520	1.588
SSP3	Whitley	1.071	1.150	1.213	1.264	1.306	1.340	1.363
SSP3-34	Whitley	1.071	1.149	1.211	1.247	1.277	1.302	1.317
SSP4	Whitley	1.088	1.202	1.318	1.431	1.535	1.630	1.713
SSP4-26	Whitley	1.088	1.203	1.320	1.432	1.535	1.629	1.713
SSP5	Whitley	1.115	1.266	1.440	1.630	1.828	2.037	2.258
SSP5-26	Whitley	1.115	1.261	1.432	1.608	1.793	1.983	2.186

# APPENDIX C. INDUSTRIAL GDP

## Allen County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Allen	All industry total	1.0000	18.3407	20.3376	22.3878	24.4419	26.4132	28.2695	29.9617
SSP1	Allen	Construction	0.0445	0.8159	0.9047	0.9959	1.0873	1.1750	1.2575	1.3328
SSP1	Allen	Manufacturing	0.1703	3.1241	3.4642	3.8134	4.1633	4.4991	4.8153	5.1036
SSP1	Allen	Wholesale trade	0.0835	1.5323	1.6991	1.8704	2.0420	2.2067	2.3618	2.5032
SSP1	Allen	Retail trade	0.0592	1.0864	1.2047	1.3262	1.4478	1.5646	1.6746	1.7748
SSP1	Allen	Transportation and warehousing	0.0384	0.7045	0.7812	0.8600	0.9389	1.0146	1.0859	1.1509
SSP2	Allen	All industry total	1.0000	18.2371	19.9606	21.5371	22.9824	24.3513	25.6443	26.8360
SSP2	Allen	Construction	0.0445	0.8113	0.8879	0.9581	1.0223	1.0832	1.1408	1.1938
SSP2	Allen	Manufacturing	0.1703	3.1064	3.4000	3.6685	3.9147	4.1479	4.3681	4.5711
SSP2	Allen	Wholesale trade	0.0835	1.5236	1.6676	1.7993	1.9201	2.0345	2.1425	2.2420
SSP2	Allen	Retail trade	0.0592	1.0803	1.1824	1.2758	1.3614	1.4425	1.5191	1.5897
SSP2	Allen	Transportation and warehousing	0.0384	0.7006	0.7668	0.8273	0.8828	0.9354	0.9851	1.0309
SSP3	Allen	All industry total	1.0000	17.9098	19.2371	20.2880	21.1333	21.8384	22.4116	22.8011
SSP3	Allen	Construction	0.0445	0.7967	0.8557	0.9025	0.9401	0.9715	0.9970	1.0143
SSP3	Allen	Manufacturing	0.1703	3.0507	3.2768	3.4558	3.5998	3.7199	3.8175	3.8838
SSP3	Allen	Wholesale trade	0.0835	1.4963	1.6072	1.6950	1.7656	1.8245	1.8724	1.9049
SSP3	Allen	Retail trade	0.0592	1.0609	1.1395	1.2018	1.2519	1.2936	1.3276	1.3506
SSP3	Allen	Transportation and warehousing	0.0384	0.6880	0.7390	0.7793	0.8118	0.8389	0.8609	0.8759
SSP4	Allen	All industry total	1.0000	18.1867	20.0970	22.0352	23.9327	25.6757	27.2538	28.6522
SSP4	Allen	Construction	0.0445	0.8090	0.8940	0.9802	1.0646	1.1422	1.2124	1.2746
SSP4	Allen	Manufacturing	0.1703	3.0978	3.4232	3.7534	4.0766	4.3735	4.6423	4.8805
SSP4	Allen	Wholesale trade	0.0835	1.5194	1.6790	1.8410	1.9995	2.1451	2.2769	2.3938
SSP4	Allen	Retail trade	0.0592	1.0773	1.1905	1.3053	1.4177	1.5209	1.6144	1.6972
SSP4	Allen	Transportation and warehousing	0.0384	0.6986	0.7720	0.8465	0.9193	0.9863	1.0469	1.1006
SSP5	Allen	All industry total	1.0000	18.6412	21.1665	24.0744	27.2652	30.5753	34.0725	37.7685
SSP5	Allen	Construction	0.0445	0.8292	0.9416	1.0709	1.2129	1.3601	1.5157	1.6801
SSP5	Allen	Manufacturing	0.1703	3.1753	3.6054	4.1007	4.6442	5.2081	5.8038	6.4333
SSP5	Allen	Wholesale trade	0.0835	1.5574	1.7684	2.0113	2.2779	2.5544	2.8466	3.1554
SSP5	Allen	Retail trade	0.0592	1.1042	1.2538	1.4261	1.6151	1.8112	2.0183	2.2373
SSP5	Allen	Transportation and warehousing	0.0384	0.7161	0.8131	0.9248	1.0474	1.1745	1.3089	1.4508
SSP1-26	Allen	All industry total	1.0000	18.3407	20.3376	22.3878	24.4419	26.4132	28.2695	29.9617
SSP1-26	Allen	Construction	0.0445	0.8159	0.9047	0.9959	1.0873	1.1750	1.2575	1.3328
SSP1-26	Allen	Manufacturing	0.1703	3.1241	3.4642	3.8134	4.1633	4.4991	4.8153	5.1036
SSP1-26	Allen	Wholesale trade	0.0835	1.5323	1.6991	1.8704	2.0420	2.2067	2.3618	2.5032
SSP1-26	Allen	Retail trade	0.0592	1.0864	1.2047	1.3262	1.4478	1.5646	1.6746	1.7748
SSP1-26	Allen	Transportation and warehousing	0.0384	0.7045	0.7812	0.8600	0.9389	1.0146	1.0859	1.1509
SSP2-26	Allen	All industry total	1.0000	18.2141	19.9101	21.4625	22.8611	24.1878	25.4221	26.5606
SSP2-26	Allen	Construction	0.0445	0.8102	0.8857	0.9547	1.0169	1.0760	1.1309	1.1815
SSP2-26	Allen	Manufacturing	0.1703	3.1025	3.3914	3.6558	3.8941	4.1200	4.3303	4.5242
SSP2-26	Allen	Wholesale trade	0.0835	1.5217	1.6634	1.7931	1.9099	2.0208	2.1239	2.2190
SSP2-26	Allen	Retail trade	0.0592	1.0789	1.1794	1.2713	1.3542	1.4328	1.5059	1.5733
SSP2-26	Allen	Transportation and warehousing	0.0384	0.6997	0.7648	0.8245	0.8782	0.9291	0.9766	1.0203
SSP3-34	Allen	All industry total	1.0000	17.9031	19.2109	20.2450	20.8582	21.3501	21.7699	22.0206
SSP3-34	Allen	Construction	0.0445	0.7964	0.8546	0.9006	0.9279	0.9497	0.9684	0.9796
SSP3-34	Allen	Manufacturing	0.1703	3.0495	3.2723	3.4484	3.5529	3.6367	3.7082	3.7509
SSP3-34	Allen	Wholesale trade	0.0835	1.4957	1.6050	1.6914	1.7426	1.7837	1.8188	1.8397
SSP3-34	Allen	Retail trade	0.0592	1.0605	1.1380	1.1992	1.2356	1.2647	1.2896	1.3044
SSP3-34	Allen	Transportation and warehousing	0.0384	0.6877	0.7380	0.7777	0.8012	0.8201	0.8363	0.8459
SSP4-26	Allen	All industry total	1.0000	18.1889	20.1149	22.0675	23.9473	25.6738	27.2472	28.6411
SSP4-26	Allen	Construction	0.0445	0.8091	0.8948	0.9816	1.0653	1.1421	1.2121	1.2741
SSP4-26	Allen	Manufacturing	0.1703	3.0982	3.4263	3.7589	4.0791	4.3732	4.6412	4.8786
SSP4-26	Allen	Wholesale trade	0.0835	1.5196	1.6805	1.8436	2.0007	2.1449	2.2764	2.3928
SSP4-26	Allen	Retail trade	0.0592	1.0774	1.1915	1.3072	1.4185	1.5208	1.6140	1.6966
SSP4-26	Allen	Transportation and warehousing	0.0384	0.6987	0.7727	0.8477	0.9199	0.9862	1.0467	1.1002
SSP5-26	Allen	All industry total	1.0000	18.6412	21.0958	23.9408	26.8930	29.9920	33.1662	36.5536
SSP5-26	Allen	Construction	0.0445	0.8292	0.9384	1.0650	1.1963	1.3342	1.4754	1.6260
SSP5-26	Allen	Manufacturing	0.1703	3.1753	3.5934	4.0780	4.5808	5.1087	5.6494	6.2264
SSP5-26	Allen	Wholesale trade	0.0835	1.5574	1.7625	2.0002	2.2468	2.5057	2.7709	3.0539
SSP5-26	Allen	Retail trade	0.0592	1.1042	1.2496	1.4182	1.5930	1.7766	1.9646	2.1653
SSP5-26	Allen	Transportation and warehousing	0.0384	0.7161	0.8104	0.9197	1.0331	1.1521	1.2740	1.4042

# Elkhart County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Elkhart	All industry total	1.0000	10.9814	12.1771	13.4046	14.6345	15.8148	16.9262	17.9394
SSP1	Elkhart	Construction	0.0268	0.2939	0.3259	0.3587	0.3916	0.4232	0.4530	0.4801
SSP1	Elkhart	Manufacturing	0.4923	5.4062	5.9949	6.5992	7.2046	7.7857	8.3329	8.8317
SSP1	Elkhart	Wholesale trade	0.0765	0.8395	0.9309	1.0248	1.1188	1.2090	1.2940	1.3715
SSP1	Elkhart	Retail trade	0.0443	0.4861	0.5390	0.5934	0.6478	0.7000	0.7492	0.7941
SSP1	Elkhart	Transportation and warehousing	0.0319	0.3503	0.3885	0.4276	0.4668	0.5045	0.5400	0.5723
SSP2	Elkhart	All industry total	1.0000	10.9194	11.9513	12.8952	13.7606	14.5803	15.3544	16.0679
SSP2	Elkhart	Construction	0.0268	0.2922	0.3198	0.3451	0.3683	0.3902	0.4109	0.4300
SSP2	Elkhart	Manufacturing	0.4923	5.3757	5.8837	6.3484	6.7744	7.1780	7.5591	7.9103
SSP2	Elkhart	Wholesale trade	0.0765	0.8348	0.9137	0.9858	1.0520	1.1147	1.1738	1.2284
SSP2	Elkhart	Retail trade	0.0443	0.4833	0.5290	0.5708	0.6091	0.6454	0.6797	0.7112
SSP2	Elkhart	Transportation and warehousing	0.0319	0.3483	0.3813	0.4114	0.4390	0.4651	0.4898	0.5126
SSP3	Elkhart	All industry total	1.0000	10.7234	11.5181	12.1473	12.6535	13.0757	13.4188	13.6521
SSP3	Elkhart	Construction	0.0268	0.2870	0.3082	0.3251	0.3386	0.3499	0.3591	0.3653
SSP3	Elkhart	Manufacturing	0.4923	5.2792	5.6704	5.9802	6.2294	6.4372	6.6062	6.7210
SSP3	Elkhart	Wholesale trade	0.0765	0.8198	0.8806	0.9287	0.9674	0.9996	1.0259	1.0437
SSP3	Elkhart	Retail trade	0.0443	0.4747	0.5099	0.5377	0.5601	0.5788	0.5940	0.6043
SSP3	Elkhart	Transportation and warehousing	0.0319	0.3421	0.3674	0.3875	0.4037	0.4171	0.4281	0.4355
SSP4	Elkhart	All industry total	1.0000	10.8892	12.0330	13.1935	14.3296	15.3732	16.3181	17.1554
SSP4	Elkhart	Construction	0.0268	0.2914	0.3220	0.3531	0.3835	0.4114	0.4367	0.4591
SSP4	Elkhart	Manufacturing	0.4923	5.3608	5.9239	6.4952	7.0546	7.5683	8.0335	8.4457
SSP4	Elkhart	Wholesale trade	0.0765	0.8325	0.9199	1.0086	1.0955	1.1753	1.2475	1.3115
SSP4	Elkhart	Retail trade	0.0443	0.4820	0.5326	0.5840	0.6343	0.6805	0.7223	0.7594
SSP4	Elkhart	Transportation and warehousing	0.0319	0.3474	0.3839	0.4209	0.4571	0.4904	0.5206	0.5473
SSP5	Elkhart	All industry total	1.0000	11.1613	12.6734	14.4144	16.3249	18.3068	20.4008	22.6137
SSP5	Elkhart	Construction	0.0268	0.2987	0.3392	0.3857	0.4369	0.4899	0.5459	0.6052
SSP5	Elkhart	Manufacturing	0.4923	5.4948	6.2392	7.0963	8.0369	9.0126	10.0434	11.1329
SSP5	Elkhart	Wholesale trade	0.0765	0.8533	0.9689	1.1020	1.2480	1.3996	1.5596	1.7288
SSP5	Elkhart	Retail trade	0.0443	0.4941	0.5610	0.6381	0.7226	0.8104	0.9030	1.0010
SSP5	Elkhart	Transportation and warehousing	0.0319	0.3561	0.4043	0.4598	0.5208	0.5840	0.6508	0.7214
SSP1-26	Elkhart	All industry total	1.0000	10.9814	12.1771	13.4046	14.6345	15.8148	16.9262	17.9394
SSP1-26	Elkhart	Construction	0.0268	0.2939	0.3259	0.3587	0.3916	0.4232	0.4530	0.4801
SSP1-26	Elkhart	Manufacturing	0.4923	5.4062	5.9949	6.5992	7.2046	7.7857	8.3329	8.8317
SSP1-26	Elkhart	Wholesale trade	0.0765	0.8395	0.9309	1.0248	1.1188	1.2090	1.2940	1.3715
SSP1-26	Elkhart	Retail trade	0.0443	0.4861	0.5390	0.5934	0.6478	0.7000	0.7492	0.7941
SSP1-26	Elkhart	Transportation and warehousing	0.0319	0.3503	0.3885	0.4276	0.4668	0.5045	0.5400	0.5723
SSP2-26	Elkhart	All industry total	1.0000	10.9056	11.9211	12.8506	13.6880	14.4823	15.2213	15.9031
SSP2-26	Elkhart	Construction	0.0268	0.2918	0.3190	0.3439	0.3663	0.3876	0.4073	0.4256
SSP2-26	Elkhart	Manufacturing	0.4923	5.3689	5.8688	6.3264	6.7387	7.1297	7.4936	7.8292
SSP2-26	Elkhart	Wholesale trade	0.0765	0.8337	0.9114	0.9824	1.0464	1.1072	1.1637	1.2158
SSP2-26	Elkhart	Retail trade	0.0443	0.4827	0.5277	0.5688	0.6059	0.6411	0.6738	0.7040
SSP2-26	Elkhart	Transportation and warehousing	0.0319	0.3479	0.3803	0.4099	0.4367	0.4620	0.4856	0.5073
SSP3-34	Elkhart	All industry total	1.0000	10.7194	11.5024	12.1216	12.4888	12.7833	13.0346	13.1847
SSP3-34	Elkhart	Construction	0.0268	0.2869	0.3078	0.3244	0.3342	0.3421	0.3488	0.3528
SSP3-34	Elkhart	Manufacturing	0.4923	5.2772	5.6627	5.9675	6.1483	6.2933	6.4170	6.4909
SSP3-34	Elkhart	Wholesale trade	0.0765	0.8195	0.8794	0.9267	0.9548	0.9773	0.9965	1.0080
SSP3-34	Elkhart	Retail trade	0.0443	0.4745	0.5092	0.5366	0.5528	0.5659	0.5770	0.5836
SSP3-34	Elkhart	Transportation and warehousing	0.0319	0.3420	0.3669	0.3867	0.3984	0.4078	0.4158	0.4206
SSP4-26	Elkhart	All industry total	1.0000	10.8905	12.0437	13.2128	14.3384	15.3721	16.3142	17.1488
SSP4-26	Elkhart	Construction	0.0268	0.2914	0.3223	0.3536	0.3837	0.4114	0.4366	0.4589
SSP4-26	Elkhart	Manufacturing	0.4923	5.3615	5.9292	6.5047	7.0589	7.5678	8.0316	8.4424
SSP4-26	Elkhart	Wholesale trade	0.0765	0.8326	0.9207	1.0101	1.0962	1.1752	1.2472	1.3110
SSP4-26	Elkhart	Retail trade	0.0443	0.4821	0.5331	0.5849	0.6347	0.6804	0.7221	0.7591
SSP4-26	Elkhart	Transportation and warehousing	0.0319	0.3474	0.3842	0.4215	0.4574	0.4904	0.5204	0.5471
SSP5-26	Elkhart	All industry total	1.0000	11.1613	12.6310	14.3345	16.1021	17.9576	19.8581	21.8863
SSP5-26	Elkhart	Construction	0.0268	0.2987	0.3380	0.3836	0.4309	0.4806	0.5314	0.5857
SSP5-26	Elkhart	Manufacturing	0.4923	5.4948	6.2183	7.0569	7.9272	8.8406	9.7763	10.7748
SSP5-26	Elkhart	Wholesale trade	0.0765	0.8533	0.9656	1.0959	1.2310	1.3729	1.5182	1.6732
SSP5-26	Elkhart	Retail trade	0.0443	0.4941	0.5591	0.6345	0.7128	0.7949	0.8790	0.9688
SSP5-26	Elkhart	Transportation and warehousing	0.0319	0.3561	0.4029	0.4573	0.5137	0.5729	0.6335	0.6982

## Floyd County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Floyd	All industry total	1.0000	2.4772	2.7469	3.0238	3.3012	3.5675	3.8182	4.0468
SSP1	Floyd	Construction	0.0520	0.1288	0.1429	0.1573	0.1717	0.1856	0.1986	0.2105
SSP1	Floyd	Manufacturing	0.2167	0.5368	0.5952	0.6552	0.7153	0.7730	0.8273	0.8769
SSP1	Floyd	Wholesale trade	0.0481	0.1192	0.1321	0.1454	0.1588	0.1716	0.1837	0.1946
SSP1	Floyd	Retail trade	0.0577	0.1428	0.1584	0.1743	0.1903	0.2057	0.2201	0.2333
SSP1	Floyd	Transportation and warehousing	0.0138	0.0341	0.0378	0.0416	0.0454	0.0491	0.0525	0.0557
SSP2	Floyd	All industry total	1.0000	2.4632	2.6960	2.9089	3.1041	3.2890	3.4636	3.6246
SSP2	Floyd	Construction	0.0520	0.1281	0.1402	0.1513	0.1615	0.1711	0.1802	0.1885
SSP2	Floyd	Manufacturing	0.2167	0.5337	0.5842	0.6303	0.6726	0.7127	0.7505	0.7854
SSP2	Floyd	Wholesale trade	0.0481	0.1185	0.1297	0.1399	0.1493	0.1582	0.1666	0.1743
SSP2	Floyd	Retail trade	0.0577	0.1420	0.1554	0.1677	0.1790	0.1896	0.1997	0.2090
SSP2	Floyd	Transportation and warehousing	0.0138	0.0339	0.0371	0.0400	0.0427	0.0453	0.0477	0.0499
SSP3	Floyd	All industry total	1.0000	2.4190	2.5982	2.7402	2.8544	2.9496	3.0270	3.0796
SSP3	Floyd	Construction	0.0520	0.1258	0.1351	0.1425	0.1485	0.1534	0.1574	0.1602
SSP3	Floyd	Manufacturing	0.2167	0.5241	0.5630	0.5937	0.6185	0.6391	0.6559	0.6673
SSP3	Floyd	Wholesale trade	0.0481	0.1164	0.1250	0.1318	0.1373	0.1419	0.1456	0.1481
SSP3	Floyd	Retail trade	0.0577	0.1395	0.1498	0.1580	0.1646	0.1701	0.1745	0.1776
SSP3	Floyd	Transportation and warehousing	0.0138	0.0333	0.0357	0.0377	0.0393	0.0406	0.0416	0.0424
SSP4	Floyd	All industry total	1.0000	2.4564	2.7144	2.9762	3.2325	3.4679	3.6810	3.8699
SSP4	Floyd	Construction	0.0520	0.1278	0.1412	0.1548	0.1681	0.1804	0.1915	0.2013
SSP4	Floyd	Manufacturing	0.2167	0.5323	0.5882	0.6449	0.7004	0.7514	0.7976	0.8385
SSP4	Floyd	Wholesale trade	0.0481	0.1182	0.1306	0.1432	0.1555	0.1668	0.1771	0.1861
SSP4	Floyd	Retail trade	0.0577	0.1416	0.1565	0.1716	0.1864	0.1999	0.2122	0.2231
SSP4	Floyd	Transportation and warehousing	0.0138	0.0338	0.0373	0.0409	0.0445	0.0477	0.0506	0.0532
SSP5	Floyd	All industry total	1.0000	2.5178	2.8589	3.2516	3.6826	4.1296	4.6020	5.1012
SSP5	Floyd	Construction	0.0520	0.1310	0.1487	0.1691	0.1915	0.2148	0.2394	0.2653
SSP5	Floyd	Manufacturing	0.2167	0.5456	0.6195	0.7046	0.7979	0.8948	0.9972	1.1053
SSP5	Floyd	Wholesale trade	0.0481	0.1211	0.1375	0.1564	0.1771	0.1986	0.2214	0.2454
SSP5	Floyd	Retail trade	0.0577	0.1452	0.1648	0.1875	0.2123	0.2381	0.2653	0.2941
SSP5	Floyd	Transportation and warehousing	0.0138	0.0346	0.0393	0.0447	0.0507	0.0568	0.0633	0.0702
SSP1-26	Floyd	All industry total	1.0000	2.4772	2.7469	3.0238	3.3012	3.5675	3.8182	4.0468
SSP1-26	Floyd	Construction	0.0520	0.1288	0.1429	0.1573	0.1717	0.1856	0.1986	0.2105
SSP1-26	Floyd	Manufacturing	0.2167	0.5368	0.5952	0.6552	0.7153	0.7730	0.8273	0.8769
SSP1-26	Floyd	Wholesale trade	0.0481	0.1192	0.1321	0.1454	0.1588	0.1716	0.1837	0.1946
SSP1-26	Floyd	Retail trade	0.0577	0.1428	0.1584	0.1743	0.1903	0.2057	0.2201	0.2333
SSP1-26	Floyd	Transportation and warehousing	0.0138	0.0341	0.0378	0.0416	0.0454	0.0491	0.0525	0.0557
SSP2-26	Floyd	All industry total	1.0000	2.4601	2.6892	2.8988	3.0877	3.2669	3.4336	3.5874
SSP2-26	Floyd	Construction	0.0520	0.1280	0.1399	0.1508	0.1606	0.1699	0.1786	0.1866
SSP2-26	Floyd	Manufacturing	0.2167	0.5331	0.5827	0.6281	0.6691	0.7079	0.7440	0.7773
SSP2-26	Floyd	Wholesale trade	0.0481	0.1183	0.1293	0.1394	0.1485	0.1571	0.1652	0.1726
SSP2-26	Floyd	Retail trade	0.0577	0.1418	0.1550	0.1671	0.1780	0.1884	0.1980	0.2068
SSP2-26	Floyd	Transportation and warehousing	0.0138	0.0338	0.0370	0.0399	0.0425	0.0449	0.0472	0.0494
SSP3-34	Floyd	All industry total	1.0000	2.4181	2.5947	2.7344	2.8172	2.8836	2.9403	2.9742
SSP3-34	Floyd	Construction	0.0520	0.1258	0.1350	0.1422	0.1465	0.1500	0.1529	0.1547
SSP3-34	Floyd	Manufacturing	0.2167	0.5240	0.5622	0.5925	0.6104	0.6248	0.6371	0.6445
SSP3-34	Floyd	Wholesale trade	0.0481	0.1163	0.1248	0.1315	0.1355	0.1387	0.1414	0.1431
SSP3-34	Floyd	Retail trade	0.0577	0.1394	0.1496	0.1577	0.1624	0.1663	0.1695	0.1715
SSP3-34	Floyd	Transportation and warehousing	0.0138	0.0333	0.0357	0.0376	0.0388	0.0397	0.0405	0.0409
SSP4-26	Floyd	All industry total	1.0000	2.4567	2.7168	2.9805	3.2344	3.4676	3.6801	3.8684
SSP4-26	Floyd	Construction	0.0520	0.1278	0.1413	0.1550	0.1682	0.1804	0.1914	0.2012
SSP4-26	Floyd	Manufacturing	0.2167	0.5323	0.5887	0.6458	0.7008	0.7514	0.7974	0.8382
SSP4-26	Floyd	Wholesale trade	0.0481	0.1182	0.1307	0.1434	0.1556	0.1668	0.1770	0.1861
SSP4-26	Floyd	Retail trade	0.0577	0.1416	0.1566	0.1718	0.1865	0.1999	0.2122	0.2230
SSP4-26	Floyd	Transportation and warehousing	0.0138	0.0338	0.0374	0.0410	0.0445	0.0477	0.0506	0.0532
SSP5-26	Floyd	All industry total	1.0000	2.5178	2.8493	3.2336	3.6323	4.0509	4.4796	4.9371
SSP5-26	Floyd	Construction	0.0520	0.1310	0.1482	0.1682	0.1889	0.2107	0.2330	0.2568
SSP5-26	Floyd	Manufacturing	0.2167	0.5456	0.6174	0.7007	0.7871	0.8777	0.9706	1.0698
SSP5-26	Floyd	Wholesale trade	0.0481	0.1211	0.1371	0.1555	0.1747	0.1948	0.2155	0.2375
SSP5-26	Floyd	Retail trade	0.0577	0.1452	0.1643	0.1864	0.2094	0.2336	0.2583	0.2847
SSP5-26	Floyd	Transportation and warehousing	0.0138	0.0346	0.0392	0.0445	0.0500	0.0557	0.0616	0.0679

## Hamilton County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Hamilton	All industry total	1.0000	14.9317	16.5574	18.2265	19.8987	21.5036	23.0149	24.3926
SSP1	Hamilton	Construction	0.0477	0.7116	0.7891	0.8686	0.9483	1.0248	1.0968	1.1625
SSP1	Hamilton	Manufacturing	0.0577	0.8623	0.9562	1.0526	1.1491	1.2418	1.3291	1.4086
SSP1	Hamilton	Wholesale trade	0.0996	1.4872	1.6491	1.8153	1.9819	2.1417	2.2922	2.4294
SSP1	Hamilton	Retail trade	0.0636	0.9500	1.0534	1.1596	1.2660	1.3681	1.4643	1.5519
SSP1	Hamilton	Transportation and warehousing	0.0082	0.1230	0.1364	0.1502	0.1639	0.1772	0.1896	0.2010
SSP2	Hamilton	All industry total	1.0000	14.8473	16.2504	17.5339	18.7106	19.8251	20.8776	21.8478
SSP2	Hamilton	Construction	0.0477	0.7076	0.7744	0.8356	0.8917	0.9448	0.9949	1.0412
SSP2	Hamilton	Manufacturing	0.0577	0.8574	0.9384	1.0126	1.0805	1.1449	1.2057	1.2617
SSP2	Hamilton	Wholesale trade	0.0996	1.4787	1.6185	1.7463	1.8635	1.9745	2.0794	2.1760
SSP2	Hamilton	Retail trade	0.0636	0.9446	1.0339	1.1156	1.1904	1.2613	1.3283	1.3900
SSP2	Hamilton	Transportation and warehousing	0.0082	0.1223	0.1339	0.1444	0.1541	0.1633	0.1720	0.1800
SSP3	Hamilton	All industry total	1.0000	14.5808	15.6614	16.5170	17.2052	17.7792	18.2458	18.5630
SSP3	Hamilton	Construction	0.0477	0.6949	0.7464	0.7871	0.8199	0.8473	0.8695	0.8846
SSP3	Hamilton	Manufacturing	0.0577	0.8420	0.9044	0.9538	0.9936	1.0267	1.0537	1.0720
SSP3	Hamilton	Wholesale trade	0.0996	1.4522	1.5598	1.6450	1.7136	1.7708	1.8172	1.8488
SSP3	Hamilton	Retail trade	0.0636	0.9277	0.9964	1.0509	1.0946	1.1312	1.1608	1.1810
SSP3	Hamilton	Transportation and warehousing	0.0082	0.1201	0.1290	0.1361	0.1417	0.1465	0.1503	0.1529
SSP4	Hamilton	All industry total	1.0000	14.8062	16.3615	17.9394	19.4843	20.9032	22.1880	23.3264
SSP4	Hamilton	Construction	0.0477	0.7056	0.7797	0.8549	0.9285	0.9962	1.0574	1.1116
SSP4	Hamilton	Manufacturing	0.0577	0.8550	0.9449	1.0360	1.1252	1.2071	1.2813	1.3471
SSP4	Hamilton	Wholesale trade	0.0996	1.4747	1.6296	1.7867	1.9406	2.0819	2.2099	2.3232
SSP4	Hamilton	Retail trade	0.0636	0.9420	1.0410	1.1414	1.2396	1.3299	1.4117	1.4841
SSP4	Hamilton	Transportation and warehousing	0.0082	0.1220	0.1348	0.1478	0.1605	0.1722	0.1828	0.1922
SSP5	Hamilton	All industry total	1.0000	15.1763	17.2322	19.5995	22.1973	24.8921	27.7393	30.7483
SSP5	Hamilton	Construction	0.0477	0.7232	0.8212	0.9340	1.0578	1.1863	1.3219	1.4653
SSP5	Hamilton	Manufacturing	0.0577	0.8764	0.9951	1.1319	1.2819	1.4375	1.6019	1.7757
SSP5	Hamilton	Wholesale trade	0.0996	1.5115	1.7163	1.9521	2.2108	2.4792	2.7628	3.0624
SSP5	Hamilton	Retail trade	0.0636	0.9656	1.0964	1.2470	1.4122	1.5837	1.7648	1.9563
SSP5	Hamilton	Transportation and warehousing	0.0082	0.1250	0.1420	0.1615	0.1829	0.2051	0.2285	0.2533
SSP1-26	Hamilton	All industry total	1.0000	14.9317	16.5574	18.2265	19.8987	21.5036	23.0149	24.3926
SSP1-26	Hamilton	Construction	0.0477	0.7116	0.7891	0.8686	0.9483	1.0248	1.0968	1.1625
SSP1-26	Hamilton	Manufacturing	0.0577	0.8623	0.9562	1.0526	1.1491	1.2418	1.3291	1.4086
SSP1-26	Hamilton	Wholesale trade	0.0996	1.4872	1.6491	1.8153	1.9819	2.1417	2.2922	2.4294
SSP1-26	Hamilton	Retail trade	0.0636	0.9500	1.0534	1.1596	1.2660	1.3681	1.4643	1.5519
SSP1-26	Hamilton	Transportation and warehousing	0.0082	0.1230	0.1364	0.1502	0.1639	0.1772	0.1896	0.2010
SSP2-26	Hamilton	All industry total	1.0000	14.8286	16.2093	17.4731	18.6118	19.6919	20.6967	21.6237
SSP2-26	Hamilton	Construction	0.0477	0.7067	0.7725	0.8327	0.8870	0.9384	0.9863	1.0305
SSP2-26	Hamilton	Manufacturing	0.0577	0.8563	0.9361	1.0091	1.0748	1.1372	1.1952	1.2487
SSP2-26	Hamilton	Wholesale trade	0.0996	1.4769	1.6144	1.7403	1.8537	1.9613	2.0613	2.1537
SSP2-26	Hamilton	Retail trade	0.0636	0.9434	1.0313	1.1117	1.1841	1.2528	1.3168	1.3758
SSP2-26	Hamilton	Transportation and warehousing	0.0082	0.1222	0.1335	0.1439	0.1533	0.1622	0.1705	0.1781
SSP3-34	Hamilton	All industry total	1.0000	14.5753	15.6401	16.4820	16.9812	17.3817	17.7234	17.9275
SSP3-34	Hamilton	Construction	0.0477	0.6946	0.7453	0.7855	0.8093	0.8283	0.8446	0.8544
SSP3-34	Hamilton	Manufacturing	0.0577	0.8417	0.9032	0.9518	0.9806	1.0038	1.0235	1.0353
SSP3-34	Hamilton	Wholesale trade	0.0996	1.4517	1.5577	1.6416	1.6913	1.7312	1.7652	1.7855
SSP3-34	Hamilton	Retail trade	0.0636	0.9273	0.9951	1.0486	1.0804	1.1059	1.1276	1.1406
SSP3-34	Hamilton	Transportation and warehousing	0.0082	0.1201	0.1288	0.1358	0.1399	0.1432	0.1460	0.1477
SSP4-26	Hamilton	All industry total	1.0000	14.8080	16.3760	17.9657	19.4961	20.9017	22.1827	23.3175
SSP4-26	Hamilton	Construction	0.0477	0.7057	0.7804	0.8562	0.9291	0.9961	1.0571	1.1112
SSP4-26	Hamilton	Manufacturing	0.0577	0.8551	0.9457	1.0375	1.1259	1.2070	1.2810	1.3466
SSP4-26	Hamilton	Wholesale trade	0.0996	1.4748	1.6310	1.7893	1.9418	2.0817	2.2093	2.3224
SSP4-26	Hamilton	Retail trade	0.0636	0.9421	1.0419	1.1430	1.2404	1.3298	1.4113	1.4835
SSP4-26	Hamilton	Transportation and warehousing	0.0082	0.1220	0.1349	0.1480	0.1606	0.1722	0.1827	0.1921
SSP5-26	Hamilton	All industry total	1.0000	15.1763	17.1746	19.4908	21.8943	24.4172	27.0015	29.7592
SSP5-26	Hamilton	Construction	0.0477	0.7232	0.8185	0.9289	1.0434	1.1636	1.2868	1.4182
SSP5-26	Hamilton	Manufacturing	0.0577	0.8764	0.9918	1.1256	1.2644	1.4101	1.5593	1.7186
SSP5-26	Hamilton	Wholesale trade	0.0996	1.5115	1.7105	1.9412	2.1806	2.4319	2.6893	2.9639
SSP5-26	Hamilton	Retail trade	0.0636	0.9656	1.0927	1.2401	1.3930	1.5535	1.7179	1.8934
SSP5-26	Hamilton	Transportation and warehousing	0.0082	0.1250	0.1415	0.1606	0.1804	0.2012	0.2224	0.2452

## Harrison County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Harrison	All industry total	1.0000	0.8880	0.9847	1.0840	1.1834	1.2789	1.3688	1.4507
SSP1	Harrison	Construction	0.0413	0.0367	0.0407	0.0448	0.0489	0.0529	0.0566	0.0600
SSP1	Harrison	Manufacturing	0.1796	0.1595	0.1769	0.1947	0.2126	0.2297	0.2459	0.2606
SSP1	Harrison	Wholesale trade	0.0522	0.0463	0.0514	0.0565	0.0617	0.0667	0.0714	0.0757
SSP1	Harrison	Retail trade	0.0770	0.0684	0.0758	0.0835	0.0911	0.0985	0.1054	0.1117
SSP1	Harrison	Transportation and warehousing	0.0269	0.0239	0.0265	0.0291	0.0318	0.0344	0.0368	0.0390
SSP2	Harrison	All industry total	1.0000	0.8830	0.9665	1.0428	1.1128	1.1790	1.2416	1.2993
SSP2	Harrison	Construction	0.0413	0.0365	0.0400	0.0431	0.0460	0.0487	0.0513	0.0537
SSP2	Harrison	Manufacturing	0.1796	0.1586	0.1736	0.1873	0.1999	0.2118	0.2231	0.2334
SSP2	Harrison	Wholesale trade	0.0522	0.0461	0.0504	0.0544	0.0580	0.0615	0.0648	0.0678
SSP2	Harrison	Retail trade	0.0770	0.0680	0.0744	0.0803	0.0857	0.0908	0.0956	0.1001
SSP2	Harrison	Transportation and warehousing	0.0269	0.0237	0.0260	0.0280	0.0299	0.0317	0.0334	0.0349
SSP3	Harrison	All industry total	1.0000	0.8672	0.9314	0.9823	1.0232	1.0574	1.0851	1.1040
SSP3	Harrison	Construction	0.0413	0.0358	0.0385	0.0406	0.0423	0.0437	0.0449	0.0456
SSP3	Harrison	Manufacturing	0.1796	0.1558	0.1673	0.1765	0.1838	0.1900	0.1949	0.1983
SSP3	Harrison	Wholesale trade	0.0522	0.0452	0.0486	0.0512	0.0534	0.0551	0.0566	0.0576
SSP3	Harrison	Retail trade	0.0770	0.0668	0.0717	0.0757	0.0788	0.0814	0.0836	0.0850
SSP3	Harrison	Transportation and warehousing	0.0269	0.0233	0.0250	0.0264	0.0275	0.0284	0.0292	0.0297
SSP4	Harrison	All industry total	1.0000	0.8806	0.9731	1.0669	1.1588	1.2432	1.3196	1.3873
SSP4	Harrison	Construction	0.0413	0.0364	0.0402	0.0441	0.0479	0.0514	0.0546	0.0574
SSP4	Harrison	Manufacturing	0.1796	0.1582	0.1748	0.1917	0.2082	0.2233	0.2371	0.2492
SSP4	Harrison	Wholesale trade	0.0522	0.0459	0.0508	0.0556	0.0604	0.0648	0.0688	0.0724
SSP4	Harrison	Retail trade	0.0770	0.0678	0.0749	0.0822	0.0892	0.0957	0.1016	0.1068
SSP4	Harrison	Transportation and warehousing	0.0269	0.0237	0.0262	0.0287	0.0311	0.0334	0.0355	0.0373
SSP5	Harrison	All industry total	1.0000	0.9026	1.0248	1.1656	1.3201	1.4804	1.6497	1.8287
SSP5	Harrison	Construction	0.0413	0.0373	0.0424	0.0482	0.0546	0.0612	0.0682	0.0756
SSP5	Harrison	Manufacturing	0.1796	0.1621	0.1841	0.2094	0.2372	0.2659	0.2964	0.3285
SSP5	Harrison	Wholesale trade	0.0522	0.0471	0.0535	0.0608	0.0689	0.0772	0.0860	0.0954
SSP5	Harrison	Retail trade	0.0770	0.0695	0.0789	0.0898	0.1017	0.1140	0.1271	0.1408
SSP5	Harrison	Transportation and warehousing	0.0269	0.0243	0.0275	0.0313	0.0355	0.0398	0.0443	0.0492
SSP1-26	Harrison	All industry total	1.0000	0.8880	0.9847	1.0840	1.1834	1.2789	1.3688	1.4507
SSP1-26	Harrison	Construction	0.0413	0.0367	0.0407	0.0448	0.0489	0.0529	0.0566	0.0600
SSP1-26	Harrison	Manufacturing	0.1796	0.1595	0.1769	0.1947	0.2126	0.2297	0.2459	0.2606
SSP1-26	Harrison	Wholesale trade	0.0522	0.0463	0.0514	0.0565	0.0617	0.0667	0.0714	0.0757
SSP1-26	Harrison	Retail trade	0.0770	0.0684	0.0758	0.0835	0.0911	0.0985	0.1054	0.1117
SSP1-26	Harrison	Transportation and warehousing	0.0269	0.0239	0.0265	0.0291	0.0318	0.0344	0.0368	0.0390
SSP2-26	Harrison	All industry total	1.0000	0.8819	0.9640	1.0392	1.1069	1.1711	1.2309	1.2860
SSP2-26	Harrison	Construction	0.0413	0.0365	0.0399	0.0430	0.0458	0.0484	0.0509	0.0532
SSP2-26	Harrison	Manufacturing	0.1796	0.1584	0.1732	0.1867	0.1988	0.2104	0.2211	0.2310
SSP2-26	Harrison	Wholesale trade	0.0522	0.0460	0.0503	0.0542	0.0577	0.0611	0.0642	0.0671
SSP2-26	Harrison	Retail trade	0.0770	0.0679	0.0742	0.0800	0.0852	0.0902	0.0948	0.0990
SSP2-26	Harrison	Transportation and warehousing	0.0269	0.0237	0.0259	0.0279	0.0298	0.0315	0.0331	0.0346
SSP3-34	Harrison	All industry total	1.0000	0.8668	0.9302	0.9802	1.0099	1.0337	1.0541	1.0662
SSP3-34	Harrison	Construction	0.0413	0.0358	0.0385	0.0405	0.0418	0.0427	0.0436	0.0441
SSP3-34	Harrison	Manufacturing	0.1796	0.1557	0.1671	0.1761	0.1814	0.1857	0.1894	0.1915
SSP3-34	Harrison	Wholesale trade	0.0522	0.0452	0.0485	0.0511	0.0527	0.0539	0.0550	0.0556
SSP3-34	Harrison	Retail trade	0.0770	0.0668	0.0716	0.0755	0.0778	0.0796	0.0812	0.0821
SSP3-34	Harrison	Transportation and warehousing	0.0269	0.0233	0.0250	0.0263	0.0271	0.0278	0.0283	0.0287
SSP4-26	Harrison	All industry total	1.0000	0.8807	0.9739	1.0685	1.1595	1.2431	1.3193	1.3868
SSP4-26	Harrison	Construction	0.0413	0.0364	0.0403	0.0442	0.0479	0.0514	0.0545	0.0573
SSP4-26	Harrison	Manufacturing	0.1796	0.1582	0.1750	0.1919	0.2083	0.2233	0.2370	0.2491
SSP4-26	Harrison	Wholesale trade	0.0522	0.0459	0.0508	0.0557	0.0605	0.0648	0.0688	0.0723
SSP4-26	Harrison	Retail trade	0.0770	0.0678	0.0750	0.0823	0.0893	0.0957	0.1016	0.1068
SSP4-26	Harrison	Transportation and warehousing	0.0269	0.0237	0.0262	0.0287	0.0312	0.0334	0.0355	0.0373
SSP5-26	Harrison	All industry total	1.0000	0.9026	1.0214	1.1592	1.3021	1.4522	1.6058	1.7699
SSP5-26	Harrison	Construction	0.0413	0.0373	0.0422	0.0479	0.0538	0.0600	0.0664	0.0732
SSP5-26	Harrison	Manufacturing	0.1796	0.1621	0.1835	0.2082	0.2339	0.2609	0.2885	0.3179
SSP5-26	Harrison	Wholesale trade	0.0522	0.0471	0.0533	0.0605	0.0679	0.0757	0.0838	0.0923
SSP5-26	Harrison	Retail trade	0.0770	0.0695	0.0787	0.0893	0.1003	0.1118	0.1237	0.1363
SSP5-26	Harrison	Transportation and warehousing	0.0269	0.0243	0.0275	0.0312	0.0350	0.0390	0.0432	0.0476



## St. Joseph County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	St. Joseph	All industry total	1.0000	12.0178	13.3263	14.6697	16.0156	17.3073	18.5237	19.6325
SSP1	St. Joseph	Construction	0.0364	0.4371	0.4847	0.5335	0.5825	0.6295	0.6737	0.7140
SSP1	St. Joseph	Manufacturing	0.1943	2.3346	2.5888	2.8497	3.1112	3.3621	3.5984	3.8138
SSP1	St. Joseph	Wholesale trade	0.0697	0.8380	0.9293	1.0229	1.1168	1.2069	1.2917	1.3690
SSP1	St. Joseph	Retail trade	0.0576	0.6927	0.7681	0.8456	0.9231	0.9976	1.0677	1.1316
SSP1	St. Joseph	Transportation and warehousing	0.0204	0.2456	0.2723	0.2998	0.3273	0.3537	0.3785	0.4012
SSP2	St. Joseph	All industry total	1.0000	11.9499	13.0792	14.1122	15.0593	15.9563	16.8035	17.5843
SSP2	St. Joseph	Construction	0.0364	0.4346	0.4757	0.5133	0.5477	0.5803	0.6111	0.6395
SSP2	St. Joseph	Manufacturing	0.1943	2.3214	2.5408	2.7414	2.9254	3.0997	3.2642	3.4159
SSP2	St. Joseph	Wholesale trade	0.0697	0.8333	0.9120	0.9841	1.0501	1.1126	1.1717	1.2262
SSP2	St. Joseph	Retail trade	0.0576	0.6888	0.7539	0.8134	0.8680	0.9197	0.9686	1.0136
SSP2	St. Joseph	Transportation and warehousing	0.0204	0.2442	0.2673	0.2884	0.3077	0.3261	0.3434	0.3593
SSP3	St. Joseph	All industry total	1.0000	11.7354	12.6051	13.2938	13.8477	14.3097	14.6852	14.9405
SSP3	St. Joseph	Construction	0.0364	0.4268	0.4585	0.4835	0.5036	0.5204	0.5341	0.5434
SSP3	St. Joseph	Manufacturing	0.1943	2.2797	2.4487	2.5824	2.6900	2.7798	2.8527	2.9023
SSP3	St. Joseph	Wholesale trade	0.0697	0.8183	0.8790	0.9270	0.9656	0.9978	1.0240	1.0418
SSP3	St. Joseph	Retail trade	0.0576	0.6764	0.7266	0.7663	0.7982	0.8248	0.8465	0.8612
SSP3	St. Joseph	Transportation and warehousing	0.0204	0.2398	0.2576	0.2717	0.2830	0.2924	0.3001	0.3053
SSP4	St. Joseph	All industry total	1.0000	11.9169	13.1686	14.4386	15.6820	16.8240	17.8581	18.7744
SSP4	St. Joseph	Construction	0.0364	0.4334	0.4789	0.5251	0.5704	0.6119	0.6495	0.6828
SSP4	St. Joseph	Manufacturing	0.1943	2.3150	2.5581	2.8048	3.0464	3.2682	3.4691	3.6471
SSP4	St. Joseph	Wholesale trade	0.0697	0.8310	0.9183	1.0068	1.0935	1.1732	1.2453	1.3092
SSP4	St. Joseph	Retail trade	0.0576	0.6869	0.7590	0.8323	0.9039	0.9697	1.0294	1.0822
SSP4	St. Joseph	Transportation and warehousing	0.0204	0.2435	0.2691	0.2951	0.3205	0.3438	0.3649	0.3837
SSP5	St. Joseph	All industry total	1.0000	12.2147	13.8694	15.7748	17.8656	20.0345	22.3261	24.7479
SSP5	St. Joseph	Construction	0.0364	0.4443	0.5044	0.5737	0.6498	0.7287	0.8120	0.9001
SSP5	St. Joseph	Manufacturing	0.1943	2.3728	2.6943	3.0644	3.4706	3.8919	4.3371	4.8075
SSP5	St. Joseph	Wholesale trade	0.0697	0.8517	0.9671	1.1000	1.2458	1.3970	1.5568	1.7257
SSP5	St. Joseph	Retail trade	0.0576	0.7041	0.7994	0.9093	1.0298	1.1548	1.2869	1.4265
SSP5	St. Joseph	Transportation and warehousing	0.0204	0.2496	0.2834	0.3224	0.3651	0.4094	0.4563	0.5057
SSP1-26	St. Joseph	All industry total	1.0000	12.0178	13.3263	14.6697	16.0156	17.3073	18.5237	19.6325
SSP1-26	St. Joseph	Construction	0.0364	0.4371	0.4847	0.5335	0.5825	0.6295	0.6737	0.7140
SSP1-26	St. Joseph	Manufacturing	0.1943	2.3346	2.5888	2.8497	3.1112	3.3621	3.5984	3.8138
SSP1-26	St. Joseph	Wholesale trade	0.0697	0.8380	0.9293	1.0229	1.1168	1.2069	1.2917	1.3690
SSP1-26	St. Joseph	Retail trade	0.0576	0.6927	0.7681	0.8456	0.9231	0.9976	1.0677	1.1316
SSP1-26	St. Joseph	Transportation and warehousing	0.0204	0.2456	0.2723	0.2998	0.3273	0.3537	0.3785	0.4012
SSP2-26	St. Joseph	All industry total	1.0000	11.9348	13.0461	14.0633	14.9798	15.8491	16.6579	17.4039
SSP2-26	St. Joseph	Construction	0.0364	0.4341	0.4745	0.5115	0.5448	0.5764	0.6058	0.6330
SSP2-26	St. Joseph	Manufacturing	0.1943	2.3185	2.5343	2.7319	2.9100	3.0788	3.2359	3.3809
SSP2-26	St. Joseph	Wholesale trade	0.0697	0.8322	0.9097	0.9807	1.0446	1.1052	1.1616	1.2136
SSP2-26	St. Joseph	Retail trade	0.0576	0.6879	0.7520	0.8106	0.8634	0.9136	0.9602	1.0032
SSP2-26	St. Joseph	Transportation and warehousing	0.0204	0.2439	0.2666	0.2874	0.3061	0.3239	0.3404	0.3557
SSP3-34	St. Joseph	All industry total	1.0000	11.7310	12.5880	13.2656	13.6674	13.9897	14.2647	14.4290
SSP3-34	St. Joseph	Construction	0.0364	0.4267	0.4578	0.4825	0.4971	0.5088	0.5188	0.5248
SSP3-34	St. Joseph	Manufacturing	0.1943	2.2789	2.4453	2.5770	2.6550	2.7176	2.7711	2.8030
SSP3-34	St. Joseph	Wholesale trade	0.0697	0.8180	0.8778	0.9250	0.9530	0.9755	0.9947	1.0062
SSP3-34	St. Joseph	Retail trade	0.0576	0.6762	0.7256	0.7646	0.7878	0.8064	0.8222	0.8317
SSP3-34	St. Joseph	Transportation and warehousing	0.0204	0.2397	0.2572	0.2711	0.2793	0.2859	0.2915	0.2949
SSP4-26	St. Joseph	All industry total	1.0000	11.9183	13.1803	14.4597	15.6915	16.8228	17.8538	18.7672
SSP4-26	St. Joseph	Construction	0.0364	0.4335	0.4794	0.5259	0.5707	0.6118	0.6493	0.6826
SSP4-26	St. Joseph	Manufacturing	0.1943	2.3152	2.5604	2.8089	3.0482	3.2680	3.4683	3.6457
SSP4-26	St. Joseph	Wholesale trade	0.0697	0.8311	0.9191	1.0083	1.0942	1.1731	1.2450	1.3087
SSP4-26	St. Joseph	Retail trade	0.0576	0.6870	0.7597	0.8335	0.9045	0.9697	1.0291	1.0818
SSP4-26	St. Joseph	Transportation and warehousing	0.0204	0.2436	0.2694	0.2955	0.3207	0.3438	0.3649	0.3835
SSP5-26	St. Joseph	All industry total	1.0000	12.2147	13.8231	15.6873	17.6217	19.6523	21.7322	23.9518
SSP5-26	St. Joseph	Construction	0.0364	0.4443	0.5027	0.5705	0.6409	0.7148	0.7904	0.8711
SSP5-26	St. Joseph	Manufacturing	0.1943	2.3728	2.6853	3.0474	3.4232	3.8176	4.2217	4.6529
SSP5-26	St. Joseph	Wholesale trade	0.0697	0.8517	0.9639	1.0939	1.2288	1.3704	1.5154	1.6702
SSP5-26	St. Joseph	Retail trade	0.0576	0.7041	0.7968	0.9042	1.0157	1.1328	1.2527	1.3806
SSP5-26	St. Joseph	Transportation and warehousing	0.0204	0.2496	0.2825	0.3206	0.3601	0.4016	0.4441	0.4895

## Tippecanoe County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Tippecanoe	All industry total	1.0000	7.7867	8.6345	9.5049	10.3770	11.2139	12.0020	12.7205
SSP1	Tippecanoe	Construction	0.0337	0.2626	0.2912	0.3205	0.3499	0.3781	0.4047	0.4289
SSP1	Tippecanoe	Manufacturing	0.2477	1.9289	2.1390	2.3546	2.5706	2.7779	2.9732	3.1511
SSP1	Tippecanoe	Wholesale trade	0.0393	0.3058	0.3391	0.3733	0.4076	0.4404	0.4714	0.4996
SSP1	Tippecanoe	Retail trade	0.0545	0.4243	0.4705	0.5180	0.5655	0.6111	0.6540	0.6932
SSP1	Tippecanoe	Transportation and warehousin	0.0188	0.1467	0.1626	0.1790	0.1955	0.2112	0.2261	0.2396
SSP2	Tippecanoe	All industry total	1.0000	7.7427	8.4744	9.1437	9.7574	10.3385	10.8875	11.3934
SSP2	Tippecanoe	Construction	0.0337	0.2611	0.2858	0.3083	0.3290	0.3486	0.3671	0.3842
SSP2	Tippecanoe	Manufacturing	0.2477	1.9180	2.0993	2.2651	2.4171	2.5611	2.6971	2.8224
SSP2	Tippecanoe	Wholesale trade	0.0393	0.3041	0.3328	0.3591	0.3832	0.4061	0.4276	0.4475
SSP2	Tippecanoe	Retail trade	0.0545	0.4219	0.4618	0.4983	0.5317	0.5634	0.5933	0.6209
SSP2	Tippecanoe	Transportation and warehousin	0.0188	0.1458	0.1596	0.1722	0.1838	0.1947	0.2051	0.2146
SSP3	Tippecanoe	All industry total	1.0000	7.6037	8.1672	8.6134	8.9723	9.2717	9.5150	9.6804
SSP3	Tippecanoe	Construction	0.0337	0.2564	0.2754	0.2904	0.3025	0.3126	0.3209	0.3264
SSP3	Tippecanoe	Manufacturing	0.2477	1.8836	2.0232	2.1337	2.2226	2.2968	2.3571	2.3980
SSP3	Tippecanoe	Wholesale trade	0.0393	0.2986	0.3208	0.3383	0.3524	0.3642	0.3737	0.3802
SSP3	Tippecanoe	Retail trade	0.0545	0.4144	0.4451	0.4694	0.4889	0.5053	0.5185	0.5275
SSP3	Tippecanoe	Transportation and warehousin	0.0188	0.1432	0.1538	0.1622	0.1690	0.1746	0.1792	0.1823
SSP4	Tippecanoe	All industry total	1.0000	7.7213	8.5323	9.3552	10.1608	10.9008	11.5708	12.1645
SSP4	Tippecanoe	Construction	0.0337	0.2604	0.2877	0.3155	0.3426	0.3676	0.3902	0.4102
SSP4	Tippecanoe	Manufacturing	0.2477	1.9127	2.1136	2.3175	2.5171	2.7004	2.8663	3.0134
SSP4	Tippecanoe	Wholesale trade	0.0393	0.3033	0.3351	0.3674	0.3991	0.4281	0.4545	0.4778
SSP4	Tippecanoe	Retail trade	0.0545	0.4208	0.4650	0.5098	0.5537	0.5940	0.6305	0.6629
SSP4	Tippecanoe	Transportation and warehousin	0.0188	0.1454	0.1607	0.1762	0.1914	0.2053	0.2179	0.2291
SSP5	Tippecanoe	All industry total	1.0000	7.9142	8.9864	10.2209	11.5757	12.9810	14.4657	16.0349
SSP5	Tippecanoe	Construction	0.0337	0.2669	0.3030	0.3447	0.3903	0.4377	0.4878	0.5407
SSP5	Tippecanoe	Manufacturing	0.2477	1.9605	2.2261	2.5319	2.8675	3.2157	3.5835	3.9722
SSP5	Tippecanoe	Wholesale trade	0.0393	0.3108	0.3529	0.4014	0.4546	0.5098	0.5682	0.6298
SSP5	Tippecanoe	Retail trade	0.0545	0.4313	0.4897	0.5570	0.6308	0.7074	0.7883	0.8738
SSP5	Tippecanoe	Transportation and warehousin	0.0188	0.1491	0.1693	0.1925	0.2180	0.2445	0.2725	0.3020
SSP1-26	Tippecanoe	All industry total	1.0000	7.7867	8.6345	9.5049	10.3770	11.2139	12.0020	12.7205
SSP1-26	Tippecanoe	Construction	0.0337	0.2626	0.2912	0.3205	0.3499	0.3781	0.4047	0.4289
SSP1-26	Tippecanoe	Manufacturing	0.2477	1.9289	2.1390	2.3546	2.5706	2.7779	2.9732	3.1511
SSP1-26	Tippecanoe	Wholesale trade	0.0393	0.3058	0.3391	0.3733	0.4076	0.4404	0.4714	0.4996
SSP1-26	Tippecanoe	Retail trade	0.0545	0.4243	0.4705	0.5180	0.5655	0.6111	0.6540	0.6932
SSP1-26	Tippecanoe	Transportation and warehousin	0.0188	0.1467	0.1626	0.1790	0.1955	0.2112	0.2261	0.2396
SSP2-26	Tippecanoe	All industry total	1.0000	7.7329	8.4530	9.1120	9.7058	10.2691	10.7931	11.2765
SSP2-26	Tippecanoe	Construction	0.0337	0.2608	0.2850	0.3073	0.3273	0.3463	0.3639	0.3802
SSP2-26	Tippecanoe	Manufacturing	0.2477	1.9156	2.0940	2.2572	2.4043	2.5439	2.6737	2.7934
SSP2-26	Tippecanoe	Wholesale trade	0.0393	0.3037	0.3320	0.3579	0.3812	0.4033	0.4239	0.4429
SSP2-26	Tippecanoe	Retail trade	0.0545	0.4214	0.4606	0.4966	0.5289	0.5596	0.5882	0.6145
SSP2-26	Tippecanoe	Transportation and warehousin	0.0188	0.1457	0.1592	0.1716	0.1828	0.1934	0.2033	0.2124
SSP3-34	Tippecanoe	All industry total	1.0000	7.6009	8.1561	8.5952	8.8555	9.0643	9.2425	9.3490
SSP3-34	Tippecanoe	Construction	0.0337	0.2563	0.2750	0.2898	0.2986	0.3057	0.3117	0.3153
SSP3-34	Tippecanoe	Manufacturing	0.2477	1.8829	2.0204	2.1292	2.1937	2.2454	2.2896	2.3159
SSP3-34	Tippecanoe	Wholesale trade	0.0393	0.2985	0.3203	0.3376	0.3478	0.3560	0.3630	0.3672
SSP3-34	Tippecanoe	Retail trade	0.0545	0.4142	0.4445	0.4684	0.4826	0.4940	0.5037	0.5095
SSP3-34	Tippecanoe	Transportation and warehousin	0.0188	0.1432	0.1536	0.1619	0.1668	0.1707	0.1741	0.1761
SSP4-26	Tippecanoe	All industry total	1.0000	7.7222	8.5399	9.3689	10.1670	10.9000	11.5680	12.1598
SSP4-26	Tippecanoe	Construction	0.0337	0.2604	0.2880	0.3159	0.3428	0.3676	0.3901	0.4100
SSP4-26	Tippecanoe	Manufacturing	0.2477	1.9130	2.1155	2.3209	2.5186	2.7002	2.8656	3.0122
SSP4-26	Tippecanoe	Wholesale trade	0.0393	0.3033	0.3354	0.3680	0.3993	0.4281	0.4543	0.4776
SSP4-26	Tippecanoe	Retail trade	0.0545	0.4208	0.4654	0.5106	0.5540	0.5940	0.6304	0.6626
SSP4-26	Tippecanoe	Transportation and warehousin	0.0188	0.1455	0.1609	0.1765	0.1915	0.2053	0.2179	0.2290
SSP5-26	Tippecanoe	All industry total	1.0000	7.9142	8.9564	10.1642	11.4176	12.7333	14.0810	15.5191
SSP5-26	Tippecanoe	Construction	0.0337	0.2669	0.3020	0.3427	0.3850	0.4294	0.4748	0.5233
SSP5-26	Tippecanoe	Manufacturing	0.2477	1.9605	2.2187	2.5179	2.8284	3.1543	3.4882	3.8444
SSP5-26	Tippecanoe	Wholesale trade	0.0393	0.3108	0.3518	0.3992	0.4484	0.5001	0.5530	0.6095
SSP5-26	Tippecanoe	Retail trade	0.0545	0.4313	0.4881	0.5539	0.6222	0.6939	0.7673	0.8457
SSP5-26	Tippecanoe	Transportation and warehousin	0.0188	0.1491	0.1687	0.1915	0.2151	0.2398	0.2652	0.2923

## Bartholomew County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Bartholomew	All industry total	1.0000	6.0182	6.6735	7.3462	8.0202	8.6671	9.2762	9.8315
SSP1	Bartholomew	Construction	0.0214	0.1285	0.1425	0.1569	0.1713	0.1851	0.1981	0.2100
SSP1	Bartholomew	Manufacturing	0.5566	3.3499	3.7146	4.0891	4.4643	4.8243	5.1634	5.4725
SSP1	Bartholomew	Wholesale trade	0.0687	0.4132	0.4582	0.5044	0.5507	0.5951	0.6369	0.6750
SSP1	Bartholomew	Retail trade	0.0361	0.2175	0.2412	0.2655	0.2898	0.3132	0.3352	0.3553
SSP1	Bartholomew	Transportation and warehousing	0.0156	0.0939	0.1041	0.1146	0.1251	0.1352	0.1447	0.1533
SSP2	Bartholomew	All industry total	1.0000	5.9842	6.5497	7.0670	7.5413	7.9905	8.4148	8.8058
SSP2	Bartholomew	Construction	0.0214	0.1278	0.1399	0.1510	0.1611	0.1707	0.1797	0.1881
SSP2	Bartholomew	Manufacturing	0.5566	3.3310	3.6458	3.9337	4.1977	4.4477	4.6839	4.9015
SSP2	Bartholomew	Wholesale trade	0.0687	0.4109	0.4497	0.4852	0.5178	0.5486	0.5778	0.6046
SSP2	Bartholomew	Retail trade	0.0361	0.2162	0.2367	0.2554	0.2725	0.2887	0.3041	0.3182
SSP2	Bartholomew	Transportation and warehousing	0.0156	0.0933	0.1021	0.1102	0.1176	0.1246	0.1312	0.1373
SSP3	Bartholomew	All industry total	1.0000	5.8768	6.3123	6.6572	6.9346	7.1659	7.3540	7.4818
SSP3	Bartholomew	Construction	0.0214	0.1255	0.1348	0.1422	0.1481	0.1531	0.1571	0.1598
SSP3	Bartholomew	Manufacturing	0.5566	3.2712	3.5136	3.7056	3.8600	3.9888	4.0934	4.1646
SSP3	Bartholomew	Wholesale trade	0.0687	0.4035	0.4334	0.4571	0.4761	0.4920	0.5049	0.5137
SSP3	Bartholomew	Retail trade	0.0361	0.2124	0.2281	0.2406	0.2506	0.2589	0.2657	0.2704
SSP3	Bartholomew	Transportation and warehousing	0.0156	0.0916	0.0984	0.1038	0.1081	0.1117	0.1147	0.1167
SSP4	Bartholomew	All industry total	1.0000	5.9677	6.5945	7.2305	7.8531	8.4251	8.9429	9.4017
SSP4	Bartholomew	Construction	0.0214	0.1275	0.1409	0.1544	0.1677	0.1800	0.1910	0.2008
SSP4	Bartholomew	Manufacturing	0.5566	3.3218	3.6707	4.0247	4.3713	4.6896	4.9779	5.2333
SSP4	Bartholomew	Wholesale trade	0.0687	0.4098	0.4528	0.4965	0.5392	0.5785	0.6140	0.6455
SSP4	Bartholomew	Retail trade	0.0361	0.2156	0.2383	0.2613	0.2838	0.3044	0.3232	0.3397
SSP4	Bartholomew	Transportation and warehousing	0.0156	0.0931	0.1028	0.1128	0.1225	0.1314	0.1395	0.1466
SSP5	Bartholomew	All industry total	1.0000	6.1168	6.9455	7.8996	8.9467	10.0328	11.1804	12.3931
SSP5	Bartholomew	Construction	0.0214	0.1307	0.1484	0.1687	0.1911	0.2143	0.2388	0.2647
SSP5	Bartholomew	Manufacturing	0.5566	3.4048	3.8660	4.3971	4.9800	5.5845	6.2233	6.8984
SSP5	Bartholomew	Wholesale trade	0.0687	0.4200	0.4769	0.5424	0.6143	0.6889	0.7677	0.8509
SSP5	Bartholomew	Retail trade	0.0361	0.2210	0.2510	0.2855	0.3233	0.3625	0.4040	0.4478
SSP5	Bartholomew	Transportation and warehousing	0.0156	0.0954	0.1083	0.1232	0.1395	0.1565	0.1744	0.1933
SSP1-26	Bartholomew	All industry total	1.0000	6.0182	6.6735	7.3462	8.0202	8.6671	9.2762	9.8315
SSP1-26	Bartholomew	Construction	0.0214	0.1285	0.1425	0.1569	0.1713	0.1851	0.1981	0.2100
SSP1-26	Bartholomew	Manufacturing	0.5566	3.3499	3.7146	4.0891	4.4643	4.8243	5.1634	5.4725
SSP1-26	Bartholomew	Wholesale trade	0.0687	0.4132	0.4582	0.5044	0.5507	0.5951	0.6369	0.6750
SSP1-26	Bartholomew	Retail trade	0.0361	0.2175	0.2412	0.2655	0.2898	0.3132	0.3352	0.3553
SSP1-26	Bartholomew	Transportation and warehousing	0.0156	0.0939	0.1041	0.1146	0.1251	0.1352	0.1447	0.1533
SSP2-26	Bartholomew	All industry total	1.0000	5.9767	6.5332	7.0426	7.5015	7.9368	8.3418	8.7154
SSP2-26	Bartholomew	Construction	0.0214	0.1277	0.1395	0.1504	0.1602	0.1695	0.1782	0.1862
SSP2-26	Bartholomew	Manufacturing	0.5566	3.3268	3.6366	3.9201	4.1755	4.4179	4.6433	4.8513
SSP2-26	Bartholomew	Wholesale trade	0.0687	0.4104	0.4486	0.4836	0.5151	0.5450	0.5728	0.5984
SSP2-26	Bartholomew	Retail trade	0.0361	0.2160	0.2361	0.2545	0.2711	0.2868	0.3014	0.3149
SSP2-26	Bartholomew	Transportation and warehousing	0.0156	0.0932	0.1019	0.1098	0.1170	0.1238	0.1301	0.1359
SSP3-34	Bartholomew	All industry total	1.0000	5.8746	6.3037	6.6431	6.8443	7.0057	7.1434	7.2257
SSP3-34	Bartholomew	Construction	0.0214	0.1255	0.1346	0.1419	0.1462	0.1496	0.1526	0.1543
SSP3-34	Bartholomew	Manufacturing	0.5566	3.2700	3.5088	3.6977	3.8097	3.8996	3.9762	4.0220
SSP3-34	Bartholomew	Wholesale trade	0.0687	0.4034	0.4328	0.4561	0.4699	0.4810	0.4905	0.4961
SSP3-34	Bartholomew	Retail trade	0.0361	0.2123	0.2278	0.2401	0.2473	0.2532	0.2581	0.2611
SSP3-34	Bartholomew	Transportation and warehousing	0.0156	0.0916	0.0983	0.1036	0.1067	0.1092	0.1114	0.1127
SSP4-26	Bartholomew	All industry total	1.0000	5.9684	6.6004	7.2411	7.8579	8.4245	8.9407	9.3981
SSP4-26	Bartholomew	Construction	0.0214	0.1275	0.1410	0.1547	0.1678	0.1799	0.1910	0.2007
SSP4-26	Bartholomew	Manufacturing	0.5566	3.3222	3.6740	4.0306	4.3739	4.6893	4.9767	5.2313
SSP4-26	Bartholomew	Wholesale trade	0.0687	0.4098	0.4532	0.4972	0.5395	0.5784	0.6139	0.6453
SSP4-26	Bartholomew	Retail trade	0.0361	0.2157	0.2385	0.2617	0.2840	0.3044	0.3231	0.3396
SSP4-26	Bartholomew	Transportation and warehousing	0.0156	0.0931	0.1029	0.1129	0.1225	0.1314	0.1394	0.1466
SSP5-26	Bartholomew	All industry total	1.0000	6.1168	6.9222	7.8558	8.8245	9.8414	10.8830	11.9945
SSP5-26	Bartholomew	Construction	0.0214	0.1307	0.1479	0.1678	0.1885	0.2102	0.2325	0.2562
SSP5-26	Bartholomew	Manufacturing	0.5566	3.4048	3.8531	4.3728	4.9120	5.4780	6.0578	6.6765
SSP5-26	Bartholomew	Wholesale trade	0.0687	0.4200	0.4753	0.5394	0.6059	0.6757	0.7472	0.8236
SSP5-26	Bartholomew	Retail trade	0.0361	0.2210	0.2501	0.2839	0.3189	0.3556	0.3933	0.4334
SSP5-26	Bartholomew	Transportation and warehousing	0.0156	0.0954	0.1079	0.1225	0.1376	0.1535	0.1697	0.1870

## Clark County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Clark	All industry total	1.0000	4.3499	4.8235	5.3098	5.7970	6.2645	6.7048	7.1061
SSP1	Clark	Construction	0.0476	0.2073	0.2298	0.2530	0.2762	0.2985	0.3195	0.3386
SSP1	Clark	Manufacturing	0.2261	0.9834	1.0905	1.2004	1.3106	1.4163	1.5158	1.6066
SSP1	Clark	Wholesale trade	0.0442	0.1923	0.2132	0.2347	0.2562	0.2769	0.2963	0.3141
SSP1	Clark	Retail trade	0.0814	0.3541	0.3926	0.4322	0.4718	0.5099	0.5457	0.5784
SSP1	Clark	Transportation and warehousing	0.1117	0.4859	0.5388	0.5931	0.6475	0.6997	0.7489	0.7937
SSP2	Clark	All industry total	1.0000	4.3254	4.7341	5.1080	5.4508	5.7755	6.0821	6.3648
SSP2	Clark	Construction	0.0476	0.2061	0.2256	0.2434	0.2597	0.2752	0.2898	0.3033
SSP2	Clark	Manufacturing	0.2261	0.9779	1.0703	1.1548	1.2323	1.3057	1.3751	1.4390
SSP2	Clark	Wholesale trade	0.0442	0.1912	0.2092	0.2258	0.2409	0.2553	0.2688	0.2813
SSP2	Clark	Retail trade	0.0814	0.3521	0.3853	0.4158	0.4437	0.4701	0.4950	0.5180
SSP2	Clark	Transportation and warehousing	0.1117	0.4831	0.5288	0.5705	0.6088	0.6451	0.6793	0.7109
SSP3	Clark	All industry total	1.0000	4.2477	4.5625	4.8118	5.0123	5.1795	5.3154	5.4078
SSP3	Clark	Construction	0.0476	0.2024	0.2174	0.2293	0.2388	0.2468	0.2533	0.2577
SSP3	Clark	Manufacturing	0.2261	0.9603	1.0315	1.0879	1.1332	1.1710	1.2017	1.2226
SSP3	Clark	Wholesale trade	0.0442	0.1877	0.2017	0.2127	0.2215	0.2289	0.2349	0.2390
SSP3	Clark	Retail trade	0.0814	0.3457	0.3714	0.3916	0.4080	0.4216	0.4326	0.4402
SSP3	Clark	Transportation and warehousing	0.1117	0.4745	0.5096	0.5375	0.5598	0.5785	0.5937	0.6040
SSP4	Clark	All industry total	1.0000	4.3134	4.7665	5.2262	5.6762	6.0896	6.4639	6.7955
SSP4	Clark	Construction	0.0476	0.2055	0.2271	0.2490	0.2705	0.2902	0.3080	0.3238
SSP4	Clark	Manufacturing	0.2261	0.9752	1.0776	1.1815	1.2833	1.3767	1.4614	1.5363
SSP4	Clark	Wholesale trade	0.0442	0.1906	0.2107	0.2310	0.2509	0.2692	0.2857	0.3004
SSP4	Clark	Retail trade	0.0814	0.3511	0.3880	0.4254	0.4620	0.4956	0.5261	0.5531
SSP4	Clark	Transportation and warehousing	0.1117	0.4818	0.5324	0.5837	0.6340	0.6802	0.7220	0.7590
SSP5	Clark	All industry total	1.0000	4.4212	5.0201	5.7098	6.4666	7.2516	8.0811	8.9577
SSP5	Clark	Construction	0.0476	0.2107	0.2392	0.2721	0.3081	0.3455	0.3851	0.4268
SSP5	Clark	Manufacturing	0.2261	0.9995	1.1350	1.2909	1.4620	1.6395	1.8270	2.0252
SSP5	Clark	Wholesale trade	0.0442	0.1954	0.2219	0.2524	0.2858	0.3205	0.3572	0.3959
SSP5	Clark	Retail trade	0.0814	0.3599	0.4086	0.4647	0.5263	0.5902	0.6577	0.7291
SSP5	Clark	Transportation and warehousing	0.1117	0.4938	0.5607	0.6378	0.7223	0.8100	0.9026	1.0005
SSP1-26	Clark	All industry total	1.0000	4.3499	4.8235	5.3098	5.7970	6.2645	6.7048	7.1061
SSP1-26	Clark	Construction	0.0476	0.2073	0.2298	0.2530	0.2762	0.2985	0.3195	0.3386
SSP1-26	Clark	Manufacturing	0.2261	0.9834	1.0905	1.2004	1.3106	1.4163	1.5158	1.6066
SSP1-26	Clark	Wholesale trade	0.0442	0.1923	0.2132	0.2347	0.2562	0.2769	0.2963	0.3141
SSP1-26	Clark	Retail trade	0.0814	0.3541	0.3926	0.4322	0.4718	0.5099	0.5457	0.5784
SSP1-26	Clark	Transportation and warehousing	0.1117	0.4859	0.5388	0.5931	0.6475	0.6997	0.7489	0.7937
SSP2-26	Clark	All industry total	1.0000	4.3199	4.7221	5.0903	5.4220	5.7367	6.0294	6.2995
SSP2-26	Clark	Construction	0.0476	0.2058	0.2250	0.2425	0.2584	0.2733	0.2873	0.3002
SSP2-26	Clark	Manufacturing	0.2261	0.9766	1.0676	1.1508	1.2258	1.2970	1.3631	1.4242
SSP2-26	Clark	Wholesale trade	0.0442	0.1909	0.2087	0.2250	0.2396	0.2536	0.2665	0.2784
SSP2-26	Clark	Retail trade	0.0814	0.3516	0.3843	0.4143	0.4413	0.4669	0.4908	0.5127
SSP2-26	Clark	Transportation and warehousing	0.1117	0.4825	0.5274	0.5686	0.6056	0.6408	0.6735	0.7036
SSP3-34	Clark	All industry total	1.0000	4.2461	4.5563	4.8016	4.9470	5.0637	5.1632	5.2227
SSP3-34	Clark	Construction	0.0476	0.2023	0.2171	0.2288	0.2357	0.2413	0.2460	0.2489
SSP3-34	Clark	Manufacturing	0.2261	0.9600	1.0301	1.0855	1.1184	1.1448	1.1673	1.1808
SSP3-34	Clark	Wholesale trade	0.0442	0.1877	0.2014	0.2122	0.2187	0.2238	0.2282	0.2308
SSP3-34	Clark	Retail trade	0.0814	0.3456	0.3708	0.3908	0.4026	0.4121	0.4202	0.4251
SSP3-34	Clark	Transportation and warehousing	0.1117	0.4743	0.5089	0.5363	0.5526	0.5656	0.5767	0.5833
SSP4-26	Clark	All industry total	1.0000	4.3139	4.7707	5.2338	5.6797	6.0891	6.4623	6.7929
SSP4-26	Clark	Construction	0.0476	0.2056	0.2273	0.2494	0.2706	0.2901	0.3079	0.3237
SSP4-26	Clark	Manufacturing	0.2261	0.9753	1.0786	1.1833	1.2841	1.3766	1.4610	1.5358
SSP4-26	Clark	Wholesale trade	0.0442	0.1907	0.2109	0.2313	0.2510	0.2691	0.2856	0.3002
SSP4-26	Clark	Retail trade	0.0814	0.3511	0.3883	0.4260	0.4623	0.4956	0.5260	0.5529
SSP4-26	Clark	Transportation and warehousing	0.1117	0.4818	0.5329	0.5846	0.6344	0.6801	0.7218	0.7587
SSP5-26	Clark	All industry total	1.0000	4.4212	5.0033	5.6781	6.3783	7.1133	7.8661	8.6695
SSP5-26	Clark	Construction	0.0476	0.2107	0.2384	0.2706	0.3039	0.3389	0.3748	0.4131
SSP5-26	Clark	Manufacturing	0.2261	0.9995	1.1312	1.2837	1.4420	1.6082	1.7784	1.9600
SSP5-26	Clark	Wholesale trade	0.0442	0.1954	0.2211	0.2510	0.2819	0.3144	0.3477	0.3832
SSP5-26	Clark	Retail trade	0.0814	0.3599	0.4072	0.4622	0.5191	0.5790	0.6402	0.7056
SSP5-26	Clark	Transportation and warehousing	0.1117	0.4938	0.5589	0.6342	0.7124	0.7945	0.8786	0.9683

## Clinton County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Clinton	All industry total	1.0000	1.0669	1.1831	1.3024	1.4219	1.5365	1.6445	1.7430
SSP1	Clinton	Construction	0.0334	0.0356	0.0395	0.0434	0.0474	0.0513	0.0549	0.0581
SSP1	Clinton	Manufacturing	0.4618	0.4927	0.5463	0.6014	0.6566	0.7096	0.7594	0.8049
SSP1	Clinton	Wholesale trade	0.0349	0.0373	0.0413	0.0455	0.0497	0.0537	0.0575	0.0609
SSP1	Clinton	Retail trade	0.0393	0.0419	0.0464	0.0511	0.0558	0.0603	0.0646	0.0684
SSP1	Clinton	Transportation and warehousing	0.0414	0.0442	0.0490	0.0539	0.0589	0.0636	0.0681	0.0722
SSP2	Clinton	All industry total	1.0000	1.0609	1.1612	1.2529	1.3370	1.4166	1.4918	1.5611
SSP2	Clinton	Construction	0.0334	0.0354	0.0387	0.0418	0.0446	0.0473	0.0498	0.0521
SSP2	Clinton	Manufacturing	0.4618	0.4899	0.5362	0.5786	0.6174	0.6542	0.6889	0.7209
SSP2	Clinton	Wholesale trade	0.0349	0.0371	0.0406	0.0438	0.0467	0.0495	0.0521	0.0545
SSP2	Clinton	Retail trade	0.0393	0.0416	0.0456	0.0492	0.0525	0.0556	0.0586	0.0613
SSP2	Clinton	Transportation and warehousing	0.0414	0.0439	0.0481	0.0519	0.0554	0.0587	0.0618	0.0647
SSP3	Clinton	All industry total	1.0000	1.0419	1.1191	1.1802	1.2294	1.2704	1.3038	1.3264
SSP3	Clinton	Construction	0.0334	0.0348	0.0373	0.0394	0.0410	0.0424	0.0435	0.0443
SSP3	Clinton	Manufacturing	0.4618	0.4811	0.5168	0.5450	0.5677	0.5867	0.6021	0.6125
SSP3	Clinton	Wholesale trade	0.0349	0.0364	0.0391	0.0412	0.0430	0.0444	0.0456	0.0463
SSP3	Clinton	Retail trade	0.0393	0.0409	0.0439	0.0463	0.0483	0.0499	0.0512	0.0521
SSP3	Clinton	Transportation and warehousing	0.0414	0.0431	0.0463	0.0489	0.0509	0.0526	0.0540	0.0549
SSP4	Clinton	All industry total	1.0000	1.0580	1.1691	1.2819	1.3922	1.4936	1.5854	1.6668
SSP4	Clinton	Construction	0.0334	0.0353	0.0390	0.0428	0.0464	0.0498	0.0529	0.0556
SSP4	Clinton	Manufacturing	0.4618	0.4886	0.5399	0.5919	0.6429	0.6897	0.7321	0.7697
SSP4	Clinton	Wholesale trade	0.0349	0.0370	0.0408	0.0448	0.0486	0.0522	0.0554	0.0582
SSP4	Clinton	Retail trade	0.0393	0.0415	0.0459	0.0503	0.0547	0.0586	0.0622	0.0654
SSP4	Clinton	Transportation and warehousing	0.0414	0.0438	0.0484	0.0531	0.0577	0.0619	0.0657	0.0690
SSP5	Clinton	All industry total	1.0000	1.0844	1.2313	1.4005	1.5861	1.7787	1.9821	2.1971
SSP5	Clinton	Construction	0.0334	0.0362	0.0411	0.0467	0.0529	0.0593	0.0661	0.0733
SSP5	Clinton	Manufacturing	0.4618	0.5008	0.5686	0.6467	0.7324	0.8214	0.9153	1.0146
SSP5	Clinton	Wholesale trade	0.0349	0.0379	0.0430	0.0489	0.0554	0.0621	0.0693	0.0768
SSP5	Clinton	Retail trade	0.0393	0.0426	0.0483	0.0550	0.0623	0.0698	0.0778	0.0863
SSP5	Clinton	Transportation and warehousing	0.0414	0.0449	0.0510	0.0580	0.0657	0.0737	0.0821	0.0910
SSP1-26	Clinton	All industry total	1.0000	1.0669	1.1831	1.3024	1.4219	1.5365	1.6445	1.7430
SSP1-26	Clinton	Construction	0.0334	0.0356	0.0395	0.0434	0.0474	0.0513	0.0549	0.0581
SSP1-26	Clinton	Manufacturing	0.4618	0.4927	0.5463	0.6014	0.6566	0.7096	0.7594	0.8049
SSP1-26	Clinton	Wholesale trade	0.0349	0.0373	0.0413	0.0455	0.0497	0.0537	0.0575	0.0609
SSP1-26	Clinton	Retail trade	0.0393	0.0419	0.0464	0.0511	0.0558	0.0603	0.0646	0.0684
SSP1-26	Clinton	Transportation and warehousing	0.0414	0.0442	0.0490	0.0539	0.0589	0.0636	0.0681	0.0722
SSP2-26	Clinton	All industry total	1.0000	1.0596	1.1582	1.2485	1.3299	1.4071	1.4789	1.5451
SSP2-26	Clinton	Construction	0.0334	0.0353	0.0386	0.0417	0.0444	0.0469	0.0493	0.0515
SSP2-26	Clinton	Manufacturing	0.4618	0.4893	0.5349	0.5766	0.6141	0.6498	0.6829	0.7135
SSP2-26	Clinton	Wholesale trade	0.0349	0.0370	0.0405	0.0436	0.0465	0.0492	0.0517	0.0540
SSP2-26	Clinton	Retail trade	0.0393	0.0416	0.0455	0.0490	0.0522	0.0552	0.0581	0.0607
SSP2-26	Clinton	Transportation and warehousing	0.0414	0.0439	0.0480	0.0517	0.0551	0.0583	0.0612	0.0640
SSP3-34	Clinton	All industry total	1.0000	1.0415	1.1176	1.1777	1.2134	1.2420	1.2664	1.2810
SSP3-34	Clinton	Construction	0.0334	0.0347	0.0373	0.0393	0.0405	0.0414	0.0423	0.0427
SSP3-34	Clinton	Manufacturing	0.4618	0.4809	0.5161	0.5439	0.5603	0.5735	0.5848	0.5916
SSP3-34	Clinton	Wholesale trade	0.0349	0.0364	0.0390	0.0411	0.0424	0.0434	0.0442	0.0448
SSP3-34	Clinton	Retail trade	0.0393	0.0409	0.0439	0.0462	0.0476	0.0488	0.0497	0.0503
SSP3-34	Clinton	Transportation and warehousing	0.0414	0.0431	0.0463	0.0488	0.0502	0.0514	0.0524	0.0530
SSP4-26	Clinton	All industry total	1.0000	1.0581	1.1701	1.2837	1.3931	1.4935	1.5851	1.6661
SSP4-26	Clinton	Construction	0.0334	0.0353	0.0390	0.0428	0.0465	0.0498	0.0529	0.0556
SSP4-26	Clinton	Manufacturing	0.4618	0.4886	0.5404	0.5928	0.6433	0.6897	0.7320	0.7694
SSP4-26	Clinton	Wholesale trade	0.0349	0.0370	0.0409	0.0449	0.0487	0.0522	0.0554	0.0582
SSP4-26	Clinton	Retail trade	0.0393	0.0415	0.0459	0.0504	0.0547	0.0586	0.0622	0.0654
SSP4-26	Clinton	Transportation and warehousing	0.0414	0.0438	0.0485	0.0532	0.0577	0.0619	0.0656	0.0690
SSP5-26	Clinton	All industry total	1.0000	1.0844	1.2272	1.3927	1.5645	1.7447	1.9294	2.1264
SSP5-26	Clinton	Construction	0.0334	0.0362	0.0409	0.0465	0.0522	0.0582	0.0644	0.0709
SSP5-26	Clinton	Manufacturing	0.4618	0.5008	0.5667	0.6431	0.7224	0.8057	0.8910	0.9820
SSP5-26	Clinton	Wholesale trade	0.0349	0.0379	0.0429	0.0487	0.0547	0.0610	0.0674	0.0743
SSP5-26	Clinton	Retail trade	0.0393	0.0426	0.0482	0.0547	0.0614	0.0685	0.0757	0.0835
SSP5-26	Clinton	Transportation and warehousing	0.0414	0.0449	0.0508	0.0577	0.0648	0.0723	0.0799	0.0881

## Daviess County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Daviess	All industry total	1.0000	1.0557	1.1707	1.2887	1.4069	1.5204	1.6272	1.7246
SSP1	Daviess	Construction	0.1378	0.1455	0.1613	0.1776	0.1939	0.2095	0.2242	0.2377
SSP1	Daviess	Manufacturing	0.1986	0.2097	0.2325	0.2559	0.2794	0.3020	0.3232	0.3425
SSP1	Daviess	Wholesale trade	0.0440	0.0465	0.0515	0.0567	0.0619	0.0669	0.0716	0.0759
SSP1	Daviess	Retail trade	0.0876	0.0925	0.1026	0.1129	0.1233	0.1333	0.1426	0.1512
SSP1	Daviess	Transportation and warehousing	0.0526	0.0556	0.0616	0.0678	0.0741	0.0800	0.0856	0.0908
SSP2	Daviess	All industry total	1.0000	1.0497	1.1490	1.2397	1.3229	1.4017	1.4761	1.5447
SSP2	Daviess	Construction	0.1378	0.1447	0.1583	0.1708	0.1823	0.1932	0.2034	0.2129
SSP2	Daviess	Manufacturing	0.1986	0.2085	0.2282	0.2462	0.2627	0.2784	0.2932	0.3068
SSP2	Daviess	Wholesale trade	0.0440	0.0462	0.0506	0.0545	0.0582	0.0617	0.0650	0.0680
SSP2	Daviess	Retail trade	0.0876	0.0920	0.1007	0.1087	0.1159	0.1228	0.1294	0.1354
SSP2	Daviess	Transportation and warehousing	0.0526	0.0553	0.0605	0.0652	0.0696	0.0738	0.0777	0.0813
SSP3	Daviess	All industry total	1.0000	1.0309	1.1073	1.1678	1.2165	1.2570	1.2900	1.3125
SSP3	Daviess	Construction	0.1378	0.1421	0.1526	0.1609	0.1676	0.1732	0.1778	0.1809
SSP3	Daviess	Manufacturing	0.1986	0.2048	0.2199	0.2319	0.2416	0.2497	0.2562	0.2607
SSP3	Daviess	Wholesale trade	0.0440	0.0454	0.0487	0.0514	0.0535	0.0553	0.0568	0.0577
SSP3	Daviess	Retail trade	0.0876	0.0904	0.0970	0.1024	0.1066	0.1102	0.1131	0.1150
SSP3	Daviess	Transportation and warehousing	0.0526	0.0543	0.0583	0.0615	0.0640	0.0662	0.0679	0.0691
SSP4	Daviess	All industry total	1.0000	1.0468	1.1568	1.2684	1.3776	1.4779	1.5688	1.6493
SSP4	Daviess	Construction	0.1378	0.1443	0.1594	0.1748	0.1898	0.2037	0.2162	0.2273
SSP4	Daviess	Manufacturing	0.1986	0.2079	0.2298	0.2519	0.2736	0.2935	0.3116	0.3276
SSP4	Daviess	Wholesale trade	0.0440	0.0461	0.0509	0.0558	0.0606	0.0650	0.0690	0.0726
SSP4	Daviess	Retail trade	0.0876	0.0917	0.1014	0.1112	0.1207	0.1295	0.1375	0.1445
SSP4	Daviess	Transportation and warehousing	0.0526	0.0551	0.0609	0.0668	0.0725	0.0778	0.0826	0.0868
SSP5	Daviess	All industry total	1.0000	1.0730	1.2184	1.3857	1.5694	1.7600	1.9613	2.1740
SSP5	Daviess	Construction	0.1378	0.1479	0.1679	0.1910	0.2163	0.2425	0.2703	0.2996
SSP5	Daviess	Manufacturing	0.1986	0.2131	0.2420	0.2752	0.3117	0.3495	0.3895	0.4318
SSP5	Daviess	Wholesale trade	0.0440	0.0472	0.0536	0.0610	0.0691	0.0774	0.0863	0.0957
SSP5	Daviess	Retail trade	0.0876	0.0940	0.1068	0.1215	0.1375	0.1542	0.1719	0.1905
SSP5	Daviess	Transportation and warehousing	0.0526	0.0565	0.0641	0.0729	0.0826	0.0926	0.1032	0.1144
SSP1-26	Daviess	All industry total	1.0000	1.0557	1.1707	1.2887	1.4069	1.5204	1.6272	1.7246
SSP1-26	Daviess	Construction	0.1378	0.1455	0.1613	0.1776	0.1939	0.2095	0.2242	0.2377
SSP1-26	Daviess	Manufacturing	0.1986	0.2097	0.2325	0.2559	0.2794	0.3020	0.3232	0.3425
SSP1-26	Daviess	Wholesale trade	0.0440	0.0465	0.0515	0.0567	0.0619	0.0669	0.0716	0.0759
SSP1-26	Daviess	Retail trade	0.0876	0.0925	0.1026	0.1129	0.1233	0.1333	0.1426	0.1512
SSP1-26	Daviess	Transportation and warehousing	0.0526	0.0556	0.0616	0.0678	0.0741	0.0800	0.0856	0.0908
SSP2-26	Daviess	All industry total	1.0000	1.0484	1.1460	1.2354	1.3159	1.3923	1.4633	1.5289
SSP2-26	Daviess	Construction	0.1378	0.1445	0.1579	0.1702	0.1813	0.1919	0.2017	0.2107
SSP2-26	Daviess	Manufacturing	0.1986	0.2082	0.2276	0.2454	0.2614	0.2765	0.2906	0.3036
SSP2-26	Daviess	Wholesale trade	0.0440	0.0461	0.0504	0.0544	0.0579	0.0613	0.0644	0.0673
SSP2-26	Daviess	Retail trade	0.0876	0.0919	0.1004	0.1083	0.1153	0.1220	0.1283	0.1340
SSP2-26	Daviess	Transportation and warehousing	0.0526	0.0552	0.0603	0.0650	0.0693	0.0733	0.0770	0.0805
SSP3-34	Daviess	All industry total	1.0000	1.0305	1.1058	1.1653	1.2006	1.2289	1.2531	1.2675
SSP3-34	Daviess	Construction	0.1378	0.1420	0.1524	0.1606	0.1654	0.1694	0.1727	0.1747
SSP3-34	Daviess	Manufacturing	0.1986	0.2047	0.2196	0.2314	0.2385	0.2441	0.2489	0.2517
SSP3-34	Daviess	Wholesale trade	0.0440	0.0453	0.0487	0.0513	0.0528	0.0541	0.0551	0.0558
SSP3-34	Daviess	Retail trade	0.0876	0.0903	0.0969	0.1021	0.1052	0.1077	0.1098	0.1111
SSP3-34	Daviess	Transportation and warehousing	0.0526	0.0542	0.0582	0.0613	0.0632	0.0647	0.0660	0.0667
SSP4-26	Daviess	All industry total	1.0000	1.0470	1.1578	1.2702	1.3784	1.4778	1.5684	1.6486
SSP4-26	Daviess	Construction	0.1378	0.1443	0.1596	0.1750	0.1900	0.2036	0.2161	0.2272
SSP4-26	Daviess	Manufacturing	0.1986	0.2079	0.2300	0.2523	0.2738	0.2935	0.3115	0.3274
SSP4-26	Daviess	Wholesale trade	0.0440	0.0461	0.0509	0.0559	0.0607	0.0650	0.0690	0.0725
SSP4-26	Daviess	Retail trade	0.0876	0.0918	0.1015	0.1113	0.1208	0.1295	0.1375	0.1445
SSP4-26	Daviess	Transportation and warehousing	0.0526	0.0551	0.0609	0.0669	0.0726	0.0778	0.0825	0.0868
SSP5-26	Daviess	All industry total	1.0000	1.0730	1.2143	1.3781	1.5480	1.7264	1.9091	2.1041
SSP5-26	Daviess	Construction	0.1378	0.1479	0.1673	0.1899	0.2133	0.2379	0.2631	0.2899
SSP5-26	Daviess	Manufacturing	0.1986	0.2131	0.2412	0.2737	0.3074	0.3429	0.3792	0.4179
SSP5-26	Daviess	Wholesale trade	0.0440	0.0472	0.0534	0.0606	0.0681	0.0760	0.0840	0.0926
SSP5-26	Daviess	Retail trade	0.0876	0.0940	0.1064	0.1208	0.1357	0.1513	0.1673	0.1844
SSP5-26	Daviess	Transportation and warehousing	0.0526	0.0565	0.0639	0.0725	0.0815	0.0909	0.1005	0.1107

## Dearborn County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Dearborn	All industry total	1.0000	1.5492	1.7179	1.8911	2.0646	2.2311	2.3879	2.5309
SSP1	Dearborn	Construction	0.0422	0.0654	0.0725	0.0798	0.0872	0.0942	0.1008	0.1068
SSP1	Dearborn	Manufacturing	0.1245	0.1928	0.2138	0.2354	0.2570	0.2777	0.2972	0.3150
SSP1	Dearborn	Wholesale trade	0.0235	0.0364	0.0403	0.0444	0.0484	0.0524	0.0560	0.0594
SSP1	Dearborn	Retail trade	0.0717	0.1112	0.1233	0.1357	0.1481	0.1601	0.1713	0.1816
SSP1	Dearborn	Transportation and warehousing	0.0173	0.0269	0.0298	0.0328	0.0358	0.0387	0.0414	0.0439
SSP2	Dearborn	All industry total	1.0000	1.5405	1.6861	1.8192	1.9413	2.0570	2.1662	2.2668
SSP2	Dearborn	Construction	0.0422	0.0650	0.0712	0.0768	0.0820	0.0868	0.0915	0.0957
SSP2	Dearborn	Manufacturing	0.1245	0.1918	0.2099	0.2265	0.2416	0.2560	0.2696	0.2822
SSP2	Dearborn	Wholesale trade	0.0235	0.0361	0.0396	0.0427	0.0456	0.0483	0.0508	0.0532
SSP2	Dearborn	Retail trade	0.0717	0.1105	0.1210	0.1305	0.1393	0.1476	0.1554	0.1626
SSP2	Dearborn	Transportation and warehousing	0.0173	0.0267	0.0292	0.0316	0.0337	0.0357	0.0376	0.0393
SSP3	Dearborn	All industry total	1.0000	1.5128	1.6250	1.7137	1.7851	1.8447	1.8931	1.9260
SSP3	Dearborn	Construction	0.0422	0.0639	0.0686	0.0724	0.0754	0.0779	0.0799	0.0813
SSP3	Dearborn	Manufacturing	0.1245	0.1883	0.2023	0.2133	0.2222	0.2296	0.2356	0.2397
SSP3	Dearborn	Wholesale trade	0.0235	0.0355	0.0381	0.0402	0.0419	0.0433	0.0444	0.0452
SSP3	Dearborn	Retail trade	0.0717	0.1085	0.1166	0.1230	0.1281	0.1323	0.1358	0.1382
SSP3	Dearborn	Transportation and warehousing	0.0173	0.0262	0.0282	0.0297	0.0310	0.0320	0.0328	0.0334
SSP4	Dearborn	All industry total	1.0000	1.5362	1.6976	1.8613	2.0216	2.1688	2.3021	2.4203
SSP4	Dearborn	Construction	0.0422	0.0649	0.0717	0.0786	0.0853	0.0916	0.0972	0.1022
SSP4	Dearborn	Manufacturing	0.1245	0.1912	0.2113	0.2317	0.2516	0.2700	0.2866	0.3013
SSP4	Dearborn	Wholesale trade	0.0235	0.0360	0.0398	0.0437	0.0474	0.0509	0.0540	0.0568
SSP4	Dearborn	Retail trade	0.0717	0.1102	0.1218	0.1335	0.1450	0.1556	0.1652	0.1736
SSP4	Dearborn	Transportation and warehousing	0.0173	0.0266	0.0294	0.0323	0.0351	0.0376	0.0399	0.0420
SSP5	Dearborn	All industry total	1.0000	1.5746	1.7879	2.0336	2.3031	2.5827	2.8781	3.1903
SSP5	Dearborn	Construction	0.0422	0.0665	0.0755	0.0859	0.0972	0.1090	0.1215	0.1347
SSP5	Dearborn	Manufacturing	0.1245	0.1960	0.2226	0.2531	0.2867	0.3215	0.3583	0.3971
SSP5	Dearborn	Wholesale trade	0.0235	0.0369	0.0420	0.0477	0.0540	0.0606	0.0675	0.0749
SSP5	Dearborn	Retail trade	0.0717	0.1130	0.1283	0.1459	0.1652	0.1853	0.2065	0.2289
SSP5	Dearborn	Transportation and warehousing	0.0173	0.0273	0.0310	0.0353	0.0399	0.0448	0.0499	0.0553
SSP1-26	Dearborn	All industry total	1.0000	1.5492	1.7179	1.8911	2.0646	2.2311	2.3879	2.5309
SSP1-26	Dearborn	Construction	0.0422	0.0654	0.0725	0.0798	0.0872	0.0942	0.1008	0.1068
SSP1-26	Dearborn	Manufacturing	0.1245	0.1928	0.2138	0.2354	0.2570	0.2777	0.2972	0.3150
SSP1-26	Dearborn	Wholesale trade	0.0235	0.0364	0.0403	0.0444	0.0484	0.0524	0.0560	0.0594
SSP1-26	Dearborn	Retail trade	0.0717	0.1112	0.1233	0.1357	0.1481	0.1601	0.1713	0.1816
SSP1-26	Dearborn	Transportation and warehousing	0.0173	0.0269	0.0298	0.0328	0.0358	0.0387	0.0414	0.0439
SSP2-26	Dearborn	All industry total	1.0000	1.5385	1.6818	1.8129	1.9311	2.0431	2.1474	2.2436
SSP2-26	Dearborn	Construction	0.0422	0.0650	0.0710	0.0765	0.0815	0.0863	0.0907	0.0947
SSP2-26	Dearborn	Manufacturing	0.1245	0.1915	0.2093	0.2257	0.2404	0.2543	0.2673	0.2793
SSP2-26	Dearborn	Wholesale trade	0.0235	0.0361	0.0395	0.0425	0.0453	0.0479	0.0504	0.0526
SSP2-26	Dearborn	Retail trade	0.0717	0.1104	0.1207	0.1301	0.1385	0.1466	0.1541	0.1610
SSP2-26	Dearborn	Transportation and warehousing	0.0173	0.0267	0.0292	0.0314	0.0335	0.0354	0.0372	0.0389
SSP3-34	Dearborn	All industry total	1.0000	1.5123	1.6227	1.7101	1.7619	1.8034	1.8389	1.8601
SSP3-34	Dearborn	Construction	0.0422	0.0638	0.0685	0.0722	0.0744	0.0761	0.0776	0.0785
SSP3-34	Dearborn	Manufacturing	0.1245	0.1882	0.2020	0.2129	0.2193	0.2245	0.2289	0.2315
SSP3-34	Dearborn	Wholesale trade	0.0235	0.0355	0.0381	0.0401	0.0413	0.0423	0.0431	0.0436
SSP3-34	Dearborn	Retail trade	0.0717	0.1085	0.1164	0.1227	0.1264	0.1294	0.1319	0.1335
SSP3-34	Dearborn	Transportation and warehousing	0.0173	0.0262	0.0281	0.0297	0.0306	0.0313	0.0319	0.0323
SSP4-26	Dearborn	All industry total	1.0000	1.5364	1.6991	1.8640	2.0228	2.1687	2.3016	2.4193
SSP4-26	Dearborn	Construction	0.0422	0.0649	0.0717	0.0787	0.0854	0.0916	0.0972	0.1021
SSP4-26	Dearborn	Manufacturing	0.1245	0.1912	0.2115	0.2320	0.2518	0.2699	0.2865	0.3011
SSP4-26	Dearborn	Wholesale trade	0.0235	0.0361	0.0399	0.0437	0.0475	0.0509	0.0540	0.0568
SSP4-26	Dearborn	Retail trade	0.0717	0.1102	0.1219	0.1337	0.1451	0.1556	0.1651	0.1736
SSP4-26	Dearborn	Transportation and warehousing	0.0173	0.0266	0.0295	0.0323	0.0351	0.0376	0.0399	0.0420
SSP5-26	Dearborn	All industry total	1.0000	1.5746	1.7820	2.0223	2.2717	2.5334	2.8016	3.0877
SSP5-26	Dearborn	Construction	0.0422	0.0665	0.0752	0.0854	0.0959	0.1070	0.1183	0.1304
SSP5-26	Dearborn	Manufacturing	0.1245	0.1960	0.2218	0.2517	0.2828	0.3154	0.3487	0.3843
SSP5-26	Dearborn	Wholesale trade	0.0235	0.0369	0.0418	0.0475	0.0533	0.0594	0.0657	0.0725
SSP5-26	Dearborn	Retail trade	0.0717	0.1130	0.1278	0.1451	0.1630	0.1818	0.2010	0.2215
SSP5-26	Dearborn	Transportation and warehousing	0.0173	0.0273	0.0309	0.0351	0.0394	0.0439	0.0486	0.0536

## Decatur County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Decatur	All industry total	1.0000	1.3569	1.5046	1.6563	1.8083	1.9541	2.0915	2.2167
SSP1	Decatur	Construction	0.0210	0.0285	0.0317	0.0348	0.0380	0.0411	0.0440	0.0466
SSP1	Decatur	Manufacturing	0.5019	0.6811	0.7552	0.8313	0.9076	0.9808	1.0497	1.1126
SSP1	Decatur	Wholesale trade	0.0416	0.0564	0.0626	0.0689	0.0752	0.0813	0.0870	0.0922
SSP1	Decatur	Retail trade	0.0410	0.0556	0.0617	0.0679	0.0741	0.0801	0.0857	0.0909
SSP1	Decatur	Transportation and warehousing	0.0354	0.0481	0.0533	0.0587	0.0640	0.0692	0.0741	0.0785
SSP2	Decatur	All industry total	1.0000	1.3492	1.4768	1.5934	1.7003	1.8016	1.8972	1.9854
SSP2	Decatur	Construction	0.0210	0.0284	0.0311	0.0335	0.0358	0.0379	0.0399	0.0418
SSP2	Decatur	Manufacturing	0.5019	0.6772	0.7412	0.7997	0.8534	0.9042	0.9523	0.9965
SSP2	Decatur	Wholesale trade	0.0416	0.0561	0.0614	0.0663	0.0707	0.0749	0.0789	0.0826
SSP2	Decatur	Retail trade	0.0410	0.0553	0.0605	0.0653	0.0697	0.0738	0.0778	0.0814
SSP2	Decatur	Transportation and warehousing	0.0354	0.0478	0.0523	0.0564	0.0602	0.0638	0.0672	0.0703
SSP3	Decatur	All industry total	1.0000	1.3250	1.4232	1.5010	1.5635	1.6157	1.6581	1.6869
SSP3	Decatur	Construction	0.0210	0.0279	0.0299	0.0316	0.0329	0.0340	0.0349	0.0355
SSP3	Decatur	Manufacturing	0.5019	0.6651	0.7143	0.7534	0.7848	0.8109	0.8322	0.8467
SSP3	Decatur	Wholesale trade	0.0416	0.0551	0.0592	0.0624	0.0650	0.0672	0.0690	0.0702
SSP3	Decatur	Retail trade	0.0410	0.0543	0.0583	0.0615	0.0641	0.0662	0.0680	0.0691
SSP3	Decatur	Transportation and warehousing	0.0354	0.0469	0.0504	0.0532	0.0554	0.0572	0.0587	0.0597
SSP4	Decatur	All industry total	1.0000	1.3455	1.4868	1.6302	1.7706	1.8996	2.0163	2.1198
SSP4	Decatur	Construction	0.0210	0.0283	0.0313	0.0343	0.0373	0.0400	0.0424	0.0446
SSP4	Decatur	Manufacturing	0.5019	0.6753	0.7463	0.8182	0.8887	0.9534	1.0120	1.0640
SSP4	Decatur	Wholesale trade	0.0416	0.0560	0.0618	0.0678	0.0736	0.0790	0.0839	0.0882
SSP4	Decatur	Retail trade	0.0410	0.0552	0.0609	0.0668	0.0726	0.0779	0.0827	0.0869
SSP4	Decatur	Transportation and warehousing	0.0354	0.0477	0.0527	0.0577	0.0627	0.0673	0.0714	0.0751
SSP5	Decatur	All industry total	1.0000	1.3791	1.5660	1.7811	2.0172	2.2621	2.5208	2.7942
SSP5	Decatur	Construction	0.0210	0.0290	0.0329	0.0375	0.0424	0.0476	0.0530	0.0588
SSP5	Decatur	Manufacturing	0.5019	0.6922	0.7860	0.8940	1.0125	1.1354	1.2652	1.4025
SSP5	Decatur	Wholesale trade	0.0416	0.0574	0.0651	0.0741	0.0839	0.0941	0.1048	0.1162
SSP5	Decatur	Retail trade	0.0410	0.0565	0.0642	0.0730	0.0827	0.0927	0.1033	0.1145
SSP5	Decatur	Transportation and warehousing	0.0354	0.0488	0.0555	0.0631	0.0714	0.0801	0.0893	0.0990
SSP1-26	Decatur	All industry total	1.0000	1.3569	1.5046	1.6563	1.8083	1.9541	2.0915	2.2167
SSP1-26	Decatur	Construction	0.0210	0.0285	0.0317	0.0348	0.0380	0.0411	0.0440	0.0466
SSP1-26	Decatur	Manufacturing	0.5019	0.6811	0.7552	0.8313	0.9076	0.9808	1.0497	1.1126
SSP1-26	Decatur	Wholesale trade	0.0416	0.0564	0.0626	0.0689	0.0752	0.0813	0.0870	0.0922
SSP1-26	Decatur	Retail trade	0.0410	0.0556	0.0617	0.0679	0.0741	0.0801	0.0857	0.0909
SSP1-26	Decatur	Transportation and warehousing	0.0354	0.0481	0.0533	0.0587	0.0640	0.0692	0.0741	0.0785
SSP2-26	Decatur	All industry total	1.0000	1.3475	1.4730	1.5879	1.6913	1.7895	1.8808	1.9650
SSP2-26	Decatur	Construction	0.0210	0.0284	0.0310	0.0334	0.0356	0.0376	0.0396	0.0413
SSP2-26	Decatur	Manufacturing	0.5019	0.6764	0.7393	0.7970	0.8489	0.8982	0.9440	0.9863
SSP2-26	Decatur	Wholesale trade	0.0416	0.0560	0.0613	0.0660	0.0703	0.0744	0.0782	0.0817
SSP2-26	Decatur	Retail trade	0.0410	0.0552	0.0604	0.0651	0.0693	0.0734	0.0771	0.0805
SSP2-26	Decatur	Transportation and warehousing	0.0354	0.0477	0.0522	0.0562	0.0599	0.0634	0.0666	0.0696
SSP3-34	Decatur	All industry total	1.0000	1.3245	1.4213	1.4978	1.5432	1.5796	1.6106	1.6292
SSP3-34	Decatur	Construction	0.0210	0.0279	0.0299	0.0315	0.0325	0.0332	0.0339	0.0343
SSP3-34	Decatur	Manufacturing	0.5019	0.6648	0.7134	0.7518	0.7745	0.7928	0.8084	0.8177
SSP3-34	Decatur	Wholesale trade	0.0416	0.0551	0.0591	0.0623	0.0642	0.0657	0.0670	0.0678
SSP3-34	Decatur	Retail trade	0.0410	0.0543	0.0583	0.0614	0.0633	0.0647	0.0660	0.0668
SSP3-34	Decatur	Transportation and warehousing	0.0354	0.0469	0.0503	0.0530	0.0546	0.0559	0.0570	0.0577
SSP4-26	Decatur	All industry total	1.0000	1.3457	1.4882	1.6326	1.7717	1.8994	2.0158	2.1190
SSP4-26	Decatur	Construction	0.0210	0.0283	0.0313	0.0343	0.0373	0.0400	0.0424	0.0446
SSP4-26	Decatur	Manufacturing	0.5019	0.6754	0.7469	0.8194	0.8892	0.9534	1.0118	1.0635
SSP4-26	Decatur	Wholesale trade	0.0416	0.0560	0.0619	0.0679	0.0737	0.0790	0.0838	0.0881
SSP4-26	Decatur	Retail trade	0.0410	0.0552	0.0610	0.0669	0.0726	0.0779	0.0826	0.0869
SSP4-26	Decatur	Transportation and warehousing	0.0354	0.0477	0.0527	0.0578	0.0627	0.0673	0.0714	0.0750
SSP5-26	Decatur	All industry total	1.0000	1.3791	1.5607	1.7712	1.9896	2.2189	2.4537	2.7044
SSP5-26	Decatur	Construction	0.0210	0.0290	0.0328	0.0373	0.0419	0.0467	0.0516	0.0569
SSP5-26	Decatur	Manufacturing	0.5019	0.6922	0.7834	0.8890	0.9986	1.1137	1.2316	1.3574
SSP5-26	Decatur	Wholesale trade	0.0416	0.0574	0.0649	0.0737	0.0828	0.0923	0.1021	0.1125
SSP5-26	Decatur	Retail trade	0.0410	0.0565	0.0640	0.0726	0.0816	0.0910	0.1006	0.1109
SSP5-26	Decatur	Transportation and warehousing	0.0354	0.0488	0.0553	0.0627	0.0705	0.0786	0.0869	0.0958



## Delaware County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Delaware	All industry total	1.0000	3.7663	4.1764	4.5974	5.0192	5.4240	5.8053	6.1528
SSP1	Delaware	Construction	0.0302	0.1138	0.1262	0.1389	0.1517	0.1639	0.1754	0.1859
SSP1	Delaware	Manufacturing	0.1530	0.5761	0.6388	0.7032	0.7677	0.8296	0.8879	0.9411
SSP1	Delaware	Wholesale trade	0.0387	0.1457	0.1615	0.1778	0.1941	0.2098	0.2245	0.2380
SSP1	Delaware	Retail trade	0.0830	0.3127	0.3467	0.3817	0.4167	0.4503	0.4820	0.5108
SSP1	Delaware	Transportation and warehousing	0.0237	0.0894	0.0992	0.1092	0.1192	0.1288	0.1378	0.1461
SSP2	Delaware	All industry total	1.0000	3.7451	4.0990	4.4227	4.7195	5.0006	5.2662	5.5109
SSP2	Delaware	Construction	0.0302	0.1132	0.1239	0.1336	0.1426	0.1511	0.1591	0.1665
SSP2	Delaware	Manufacturing	0.1530	0.5728	0.6269	0.6765	0.7219	0.7649	0.8055	0.8429
SSP2	Delaware	Wholesale trade	0.0387	0.1449	0.1585	0.1711	0.1825	0.1934	0.2037	0.2132
SSP2	Delaware	Retail trade	0.0830	0.3109	0.3403	0.3672	0.3918	0.4152	0.4372	0.4575
SSP2	Delaware	Transportation and warehousing	0.0237	0.0889	0.0973	0.1050	0.1121	0.1187	0.1250	0.1308
SSP3	Delaware	All industry total	1.0000	3.6779	3.9504	4.1662	4.3398	4.4846	4.6023	4.6823
SSP3	Delaware	Construction	0.0302	0.1111	0.1194	0.1259	0.1311	0.1355	0.1391	0.1415
SSP3	Delaware	Manufacturing	0.1530	0.5625	0.6042	0.6372	0.6638	0.6859	0.7039	0.7162
SSP3	Delaware	Wholesale trade	0.0387	0.1423	0.1528	0.1611	0.1679	0.1735	0.1780	0.1811
SSP3	Delaware	Retail trade	0.0830	0.3053	0.3280	0.3459	0.3603	0.3723	0.3821	0.3887
SSP3	Delaware	Transportation and warehousing	0.0237	0.0873	0.0938	0.0989	0.1030	0.1065	0.1093	0.1112
SSP4	Delaware	All industry total	1.0000	3.7347	4.1270	4.5250	4.9147	5.2726	5.5967	5.8838
SSP4	Delaware	Construction	0.0302	0.1129	0.1247	0.1367	0.1485	0.1593	0.1691	0.1778
SSP4	Delaware	Manufacturing	0.1530	0.5712	0.6312	0.6921	0.7517	0.8065	0.8560	0.8999
SSP4	Delaware	Wholesale trade	0.0387	0.1445	0.1596	0.1750	0.1901	0.2039	0.2165	0.2276
SSP4	Delaware	Retail trade	0.0830	0.3101	0.3426	0.3757	0.4080	0.4377	0.4646	0.4885
SSP4	Delaware	Transportation and warehousing	0.0237	0.0887	0.0980	0.1074	0.1167	0.1252	0.1329	0.1397
SSP5	Delaware	All industry total	1.0000	3.8280	4.3466	4.9438	5.5990	6.2788	6.9969	7.7559
SSP5	Delaware	Construction	0.0302	0.1157	0.1313	0.1494	0.1692	0.1897	0.2114	0.2344
SSP5	Delaware	Manufacturing	0.1530	0.5855	0.6648	0.7562	0.8564	0.9604	1.0702	1.1863
SSP5	Delaware	Wholesale trade	0.0387	0.1481	0.1681	0.1912	0.2166	0.2429	0.2706	0.3000
SSP5	Delaware	Retail trade	0.0830	0.3178	0.3609	0.4104	0.4648	0.5213	0.5809	0.6439
SSP5	Delaware	Transportation and warehousing	0.0237	0.0909	0.1032	0.1174	0.1329	0.1491	0.1661	0.1842
SSP1-26	Delaware	All industry total	1.0000	3.7663	4.1764	4.5974	5.0192	5.4240	5.8053	6.1528
SSP1-26	Delaware	Construction	0.0302	0.1138	0.1262	0.1389	0.1517	0.1639	0.1754	0.1859
SSP1-26	Delaware	Manufacturing	0.1530	0.5761	0.6388	0.7032	0.7677	0.8296	0.8879	0.9411
SSP1-26	Delaware	Wholesale trade	0.0387	0.1457	0.1615	0.1778	0.1941	0.2098	0.2245	0.2380
SSP1-26	Delaware	Retail trade	0.0830	0.3127	0.3467	0.3817	0.4167	0.4503	0.4820	0.5108
SSP1-26	Delaware	Transportation and warehousing	0.0237	0.0894	0.0992	0.1092	0.1192	0.1288	0.1378	0.1461
SSP2-26	Delaware	All industry total	1.0000	3.7403	4.0886	4.4074	4.6946	4.9671	5.2205	5.4543
SSP2-26	Delaware	Construction	0.0302	0.1130	0.1235	0.1332	0.1419	0.1501	0.1578	0.1648
SSP2-26	Delaware	Manufacturing	0.1530	0.5721	0.6254	0.6741	0.7181	0.7597	0.7985	0.8343
SSP2-26	Delaware	Wholesale trade	0.0387	0.1447	0.1581	0.1705	0.1816	0.1921	0.2019	0.2110
SSP2-26	Delaware	Retail trade	0.0830	0.3105	0.3394	0.3659	0.3897	0.4124	0.4334	0.4528
SSP2-26	Delaware	Transportation and warehousing	0.0237	0.0888	0.0971	0.1046	0.1115	0.1179	0.1240	0.1295
SSP3-34	Delaware	All industry total	1.0000	3.6765	3.9450	4.1574	4.2833	4.3843	4.4705	4.5220
SSP3-34	Delaware	Construction	0.0302	0.1111	0.1192	0.1256	0.1294	0.1325	0.1351	0.1366
SSP3-34	Delaware	Manufacturing	0.1530	0.5623	0.6034	0.6359	0.6551	0.6706	0.6838	0.6917
SSP3-34	Delaware	Wholesale trade	0.0387	0.1422	0.1526	0.1608	0.1657	0.1696	0.1729	0.1749
SSP3-34	Delaware	Retail trade	0.0830	0.3052	0.3275	0.3451	0.3556	0.3640	0.3711	0.3754
SSP3-34	Delaware	Transportation and warehousing	0.0237	0.0873	0.0937	0.0987	0.1017	0.1041	0.1061	0.1074
SSP4-26	Delaware	All industry total	1.0000	3.7352	4.1307	4.5316	4.9177	5.2722	5.5953	5.8816
SSP4-26	Delaware	Construction	0.0302	0.1129	0.1248	0.1369	0.1486	0.1593	0.1691	0.1777
SSP4-26	Delaware	Manufacturing	0.1530	0.5713	0.6318	0.6931	0.7522	0.8064	0.8558	0.8996
SSP4-26	Delaware	Wholesale trade	0.0387	0.1445	0.1598	0.1753	0.1902	0.2039	0.2164	0.2275
SSP4-26	Delaware	Retail trade	0.0830	0.3101	0.3429	0.3762	0.4083	0.4377	0.4645	0.4883
SSP4-26	Delaware	Transportation and warehousing	0.0237	0.0887	0.0981	0.1076	0.1168	0.1252	0.1329	0.1397
SSP5-26	Delaware	All industry total	1.0000	3.8280	4.3321	4.9163	5.5226	6.1590	6.8108	7.5064
SSP5-26	Delaware	Construction	0.0302	0.1157	0.1309	0.1486	0.1669	0.1861	0.2058	0.2268
SSP5-26	Delaware	Manufacturing	0.1530	0.5855	0.6626	0.7520	0.8447	0.9420	1.0417	1.1481
SSP5-26	Delaware	Wholesale trade	0.0387	0.1481	0.1676	0.1902	0.2136	0.2382	0.2634	0.2903
SSP5-26	Delaware	Retail trade	0.0830	0.3178	0.3597	0.4082	0.4585	0.5113	0.5654	0.6232
SSP5-26	Delaware	Transportation and warehousing	0.0237	0.0909	0.1029	0.1167	0.1311	0.1462	0.1617	0.1782

## Dubois County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Dubois	All industry total	1.0000	2.4540	2.7212	2.9955	3.2704	3.5341	3.7825	4.0089
SSP1	Dubois	Construction	0.0266	0.0653	0.0724	0.0797	0.0870	0.0940	0.1006	0.1066
SSP1	Dubois	Manufacturing	0.3957	0.9711	1.0769	1.1854	1.2942	1.3986	1.4969	1.5865
SSP1	Dubois	Wholesale trade	0.0795	0.1951	0.2163	0.2381	0.2600	0.2810	0.3007	0.3187
SSP1	Dubois	Retail trade	0.0723	0.1774	0.1967	0.2165	0.2364	0.2555	0.2734	0.2898
SSP1	Dubois	Transportation and warehousing	0.0395	0.0969	0.1074	0.1183	0.1291	0.1395	0.1493	0.1583
SSP2	Dubois	All industry total	1.0000	2.4402	2.6708	2.8817	3.0751	3.2583	3.4312	3.5907
SSP2	Dubois	Construction	0.0266	0.0649	0.0710	0.0766	0.0818	0.0867	0.0913	0.0955
SSP2	Dubois	Manufacturing	0.3957	0.9656	1.0569	1.1404	1.2169	1.2894	1.3579	1.4210
SSP2	Dubois	Wholesale trade	0.0795	0.1940	0.2123	0.2291	0.2445	0.2590	0.2728	0.2855
SSP2	Dubois	Retail trade	0.0723	0.1764	0.1931	0.2083	0.2223	0.2355	0.2480	0.2596
SSP2	Dubois	Transportation and warehousing	0.0395	0.0963	0.1055	0.1138	0.1214	0.1286	0.1355	0.1418
SSP3	Dubois	All industry total	1.0000	2.3964	2.5740	2.7146	2.8277	2.9220	2.9987	3.0508
SSP3	Dubois	Construction	0.0266	0.0637	0.0685	0.0722	0.0752	0.0777	0.0798	0.0811
SSP3	Dubois	Manufacturing	0.3957	0.9483	1.0186	1.0742	1.1190	1.1563	1.1867	1.2073
SSP3	Dubois	Wholesale trade	0.0795	0.1905	0.2046	0.2158	0.2248	0.2323	0.2384	0.2425
SSP3	Dubois	Retail trade	0.0723	0.1732	0.1861	0.1962	0.2044	0.2112	0.2168	0.2205
SSP3	Dubois	Transportation and warehousing	0.0395	0.0946	0.1016	0.1072	0.1116	0.1154	0.1184	0.1205
SSP4	Dubois	All industry total	1.0000	2.4334	2.6890	2.9484	3.2022	3.4355	3.6466	3.8337
SSP4	Dubois	Construction	0.0266	0.0647	0.0715	0.0784	0.0852	0.0914	0.0970	0.1020
SSP4	Dubois	Manufacturing	0.3957	0.9630	1.0641	1.1668	1.2672	1.3595	1.4431	1.5171
SSP4	Dubois	Wholesale trade	0.0795	0.1935	0.2138	0.2344	0.2546	0.2731	0.2899	0.3048
SSP4	Dubois	Retail trade	0.0723	0.1759	0.1944	0.2131	0.2315	0.2483	0.2636	0.2771
SSP4	Dubois	Transportation and warehousing	0.0395	0.0961	0.1062	0.1164	0.1264	0.1356	0.1440	0.1514
SSP5	Dubois	All industry total	1.0000	2.4942	2.8321	3.2212	3.6481	4.0910	4.5590	5.0535
SSP5	Dubois	Construction	0.0266	0.0663	0.0753	0.0857	0.0970	0.1088	0.1213	0.1344
SSP5	Dubois	Manufacturing	0.3957	0.9870	1.1208	1.2747	1.4437	1.6190	1.8041	1.9998
SSP5	Dubois	Wholesale trade	0.0795	0.1983	0.2252	0.2561	0.2900	0.3252	0.3624	0.4018
SSP5	Dubois	Retail trade	0.0723	0.1803	0.2047	0.2329	0.2637	0.2957	0.3296	0.3653
SSP5	Dubois	Transportation and warehousing	0.0395	0.0985	0.1118	0.1272	0.1440	0.1615	0.1800	0.1995
SSP1-26	Dubois	All industry total	1.0000	2.4540	2.7212	2.9955	3.2704	3.5341	3.7825	4.0089
SSP1-26	Dubois	Construction	0.0266	0.0653	0.0724	0.0797	0.0870	0.0940	0.1006	0.1066
SSP1-26	Dubois	Manufacturing	0.3957	0.9711	1.0769	1.1854	1.2942	1.3986	1.4969	1.5865
SSP1-26	Dubois	Wholesale trade	0.0795	0.1951	0.2163	0.2381	0.2600	0.2810	0.3007	0.3187
SSP1-26	Dubois	Retail trade	0.0723	0.1774	0.1967	0.2165	0.2364	0.2555	0.2734	0.2898
SSP1-26	Dubois	Transportation and warehousing	0.0395	0.0969	0.1074	0.1183	0.1291	0.1395	0.1493	0.1583
SSP2-26	Dubois	All industry total	1.0000	2.4371	2.6640	2.8717	3.0589	3.2364	3.4015	3.5539
SSP2-26	Dubois	Construction	0.0266	0.0648	0.0709	0.0764	0.0814	0.0861	0.0905	0.0945
SSP2-26	Dubois	Manufacturing	0.3957	0.9644	1.0542	1.1364	1.2105	1.2807	1.3461	1.4064
SSP2-26	Dubois	Wholesale trade	0.0795	0.1937	0.2118	0.2283	0.2432	0.2573	0.2704	0.2825
SSP2-26	Dubois	Retail trade	0.0723	0.1762	0.1926	0.2076	0.2211	0.2340	0.2459	0.2569
SSP2-26	Dubois	Transportation and warehousing	0.0395	0.0962	0.1052	0.1134	0.1208	0.1278	0.1343	0.1403
SSP3-34	Dubois	All industry total	1.0000	2.3955	2.5704	2.7088	2.7909	2.8567	2.9128	2.9464
SSP3-34	Dubois	Construction	0.0266	0.0637	0.0684	0.0720	0.0742	0.0760	0.0775	0.0784
SSP3-34	Dubois	Manufacturing	0.3957	0.9480	1.0172	1.0720	1.1044	1.1305	1.1527	1.1660
SSP3-34	Dubois	Wholesale trade	0.0795	0.1904	0.2044	0.2154	0.2219	0.2271	0.2316	0.2342
SSP3-34	Dubois	Retail trade	0.0723	0.1732	0.1858	0.1958	0.2018	0.2065	0.2106	0.2130
SSP3-34	Dubois	Transportation and warehousing	0.0395	0.0946	0.1015	0.1070	0.1102	0.1128	0.1150	0.1163
SSP4-26	Dubois	All industry total	1.0000	2.4337	2.6914	2.9527	3.2042	3.4352	3.6457	3.8322
SSP4-26	Dubois	Construction	0.0266	0.0647	0.0716	0.0785	0.0852	0.0914	0.0970	0.1019
SSP4-26	Dubois	Manufacturing	0.3957	0.9631	1.0651	1.1685	1.2680	1.3594	1.4427	1.5165
SSP4-26	Dubois	Wholesale trade	0.0795	0.1935	0.2140	0.2347	0.2547	0.2731	0.2898	0.3047
SSP4-26	Dubois	Retail trade	0.0723	0.1759	0.1946	0.2134	0.2316	0.2483	0.2635	0.2770
SSP4-26	Dubois	Transportation and warehousing	0.0395	0.0961	0.1063	0.1166	0.1265	0.1356	0.1439	0.1513
SSP5-26	Dubois	All industry total	1.0000	2.4942	2.8227	3.2033	3.5983	4.0130	4.4377	4.8909
SSP5-26	Dubois	Construction	0.0266	0.0663	0.0751	0.0852	0.0957	0.1067	0.1180	0.1301
SSP5-26	Dubois	Manufacturing	0.3957	0.9870	1.1170	1.2677	1.4240	1.5881	1.7561	1.9355
SSP5-26	Dubois	Wholesale trade	0.0795	0.1983	0.2244	0.2547	0.2861	0.3190	0.3528	0.3888
SSP5-26	Dubois	Retail trade	0.0723	0.1803	0.2040	0.2316	0.2601	0.2901	0.3208	0.3536
SSP5-26	Dubois	Transportation and warehousing	0.0395	0.0985	0.1114	0.1265	0.1421	0.1584	0.1752	0.1931

## Fulton County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Fulton	All industry total	1.0000	0.6132	0.6800	0.7486	0.8172	0.8831	0.9452	1.0018
SSP1	Fulton	Construction	0.0905	0.0555	0.0615	0.0677	0.0740	0.0799	0.0855	0.0907
SSP1	Fulton	Manufacturing	0.3106	0.1905	0.2112	0.2325	0.2539	0.2743	0.2936	0.3112
SSP1	Fulton	Wholesale trade	0.0437	0.0268	0.0298	0.0327	0.0358	0.0386	0.0414	0.0438
SSP1	Fulton	Retail trade	0.0702	0.0430	0.0477	0.0525	0.0574	0.0620	0.0663	0.0703
SSP1	Fulton	Transportation and warehousing	0.0176	0.0108	0.0120	0.0132	0.0144	0.0156	0.0166	0.0176
SSP2	Fulton	All industry total	1.0000	0.6098	0.6674	0.7201	0.7684	0.8142	0.8574	0.8973
SSP2	Fulton	Construction	0.0905	0.0552	0.0604	0.0652	0.0695	0.0737	0.0776	0.0812
SSP2	Fulton	Manufacturing	0.3106	0.1894	0.2073	0.2237	0.2387	0.2529	0.2664	0.2787
SSP2	Fulton	Wholesale trade	0.0437	0.0267	0.0292	0.0315	0.0336	0.0356	0.0375	0.0393
SSP2	Fulton	Retail trade	0.0702	0.0428	0.0468	0.0505	0.0539	0.0571	0.0602	0.0630
SSP2	Fulton	Transportation and warehousing	0.0176	0.0107	0.0118	0.0127	0.0135	0.0143	0.0151	0.0158
SSP3	Fulton	All industry total	1.0000	0.5988	0.6432	0.6783	0.7066	0.7302	0.7493	0.7624
SSP3	Fulton	Construction	0.0905	0.0542	0.0582	0.0614	0.0639	0.0661	0.0678	0.0690
SSP3	Fulton	Manufacturing	0.3106	0.1860	0.1998	0.2107	0.2195	0.2268	0.2328	0.2368
SSP3	Fulton	Wholesale trade	0.0437	0.0262	0.0281	0.0297	0.0309	0.0319	0.0328	0.0334
SSP3	Fulton	Retail trade	0.0702	0.0420	0.0451	0.0476	0.0496	0.0513	0.0526	0.0535
SSP3	Fulton	Transportation and warehousing	0.0176	0.0105	0.0113	0.0119	0.0124	0.0129	0.0132	0.0134
SSP4	Fulton	All industry total	1.0000	0.6081	0.6720	0.7368	0.8002	0.8585	0.9113	0.9580
SSP4	Fulton	Construction	0.0905	0.0550	0.0608	0.0667	0.0724	0.0777	0.0825	0.0867
SSP4	Fulton	Manufacturing	0.3106	0.1889	0.2087	0.2289	0.2486	0.2667	0.2831	0.2976
SSP4	Fulton	Wholesale trade	0.0437	0.0266	0.0294	0.0322	0.0350	0.0376	0.0399	0.0419
SSP4	Fulton	Retail trade	0.0702	0.0427	0.0472	0.0517	0.0562	0.0603	0.0640	0.0672
SSP4	Fulton	Transportation and warehousing	0.0176	0.0107	0.0118	0.0130	0.0141	0.0151	0.0161	0.0169
SSP5	Fulton	All industry total	1.0000	0.6233	0.7077	0.8049	0.9116	1.0223	1.1392	1.2628
SSP5	Fulton	Construction	0.0905	0.0564	0.0640	0.0728	0.0825	0.0925	0.1031	0.1143
SSP5	Fulton	Manufacturing	0.3106	0.1936	0.2199	0.2501	0.2832	0.3176	0.3539	0.3923
SSP5	Fulton	Wholesale trade	0.0437	0.0273	0.0310	0.0352	0.0399	0.0447	0.0498	0.0552
SSP5	Fulton	Retail trade	0.0702	0.0437	0.0497	0.0565	0.0640	0.0718	0.0800	0.0886
SSP5	Fulton	Transportation and warehousing	0.0176	0.0110	0.0125	0.0142	0.0161	0.0180	0.0201	0.0222
SSP1-26	Fulton	All industry total	1.0000	0.6132	0.6800	0.7486	0.8172	0.8831	0.9452	1.0018
SSP1-26	Fulton	Construction	0.0905	0.0555	0.0615	0.0677	0.0740	0.0799	0.0855	0.0907
SSP1-26	Fulton	Manufacturing	0.3106	0.1905	0.2112	0.2325	0.2539	0.2743	0.2936	0.3112
SSP1-26	Fulton	Wholesale trade	0.0437	0.0268	0.0298	0.0327	0.0358	0.0386	0.0414	0.0438
SSP1-26	Fulton	Retail trade	0.0702	0.0430	0.0477	0.0525	0.0574	0.0620	0.0663	0.0703
SSP1-26	Fulton	Transportation and warehousing	0.0176	0.0108	0.0120	0.0132	0.0144	0.0156	0.0166	0.0176
SSP2-26	Fulton	All industry total	1.0000	0.6090	0.6657	0.7176	0.7644	0.8087	0.8500	0.8881
SSP2-26	Fulton	Construction	0.0905	0.0551	0.0602	0.0649	0.0692	0.0732	0.0769	0.0804
SSP2-26	Fulton	Manufacturing	0.3106	0.1892	0.2068	0.2229	0.2375	0.2512	0.2641	0.2759
SSP2-26	Fulton	Wholesale trade	0.0437	0.0266	0.0291	0.0314	0.0334	0.0354	0.0372	0.0389
SSP2-26	Fulton	Retail trade	0.0702	0.0427	0.0467	0.0504	0.0537	0.0568	0.0597	0.0623
SSP2-26	Fulton	Transportation and warehousing	0.0176	0.0107	0.0117	0.0126	0.0135	0.0142	0.0150	0.0156
SSP3-34	Fulton	All industry total	1.0000	0.5986	0.6423	0.6769	0.6974	0.7139	0.7279	0.7363
SSP3-34	Fulton	Construction	0.0905	0.0542	0.0581	0.0613	0.0631	0.0646	0.0659	0.0666
SSP3-34	Fulton	Manufacturing	0.3106	0.1860	0.1995	0.2103	0.2166	0.2218	0.2261	0.2287
SSP3-34	Fulton	Wholesale trade	0.0437	0.0262	0.0281	0.0296	0.0305	0.0312	0.0318	0.0322
SSP3-34	Fulton	Retail trade	0.0702	0.0420	0.0451	0.0475	0.0490	0.0501	0.0511	0.0517
SSP3-34	Fulton	Transportation and warehousing	0.0176	0.0105	0.0113	0.0119	0.0123	0.0126	0.0128	0.0130
SSP4-26	Fulton	All industry total	1.0000	0.6082	0.6726	0.7378	0.8007	0.8584	0.9110	0.9576
SSP4-26	Fulton	Construction	0.0905	0.0550	0.0609	0.0668	0.0725	0.0777	0.0824	0.0867
SSP4-26	Fulton	Manufacturing	0.3106	0.1889	0.2089	0.2292	0.2487	0.2667	0.2830	0.2975
SSP4-26	Fulton	Wholesale trade	0.0437	0.0266	0.0294	0.0323	0.0350	0.0376	0.0399	0.0419
SSP4-26	Fulton	Retail trade	0.0702	0.0427	0.0472	0.0518	0.0562	0.0603	0.0639	0.0672
SSP4-26	Fulton	Transportation and warehousing	0.0176	0.0107	0.0118	0.0130	0.0141	0.0151	0.0161	0.0169
SSP5-26	Fulton	All industry total	1.0000	0.6233	0.7054	0.8005	0.8992	1.0028	1.1089	1.2222
SSP5-26	Fulton	Construction	0.0905	0.0564	0.0638	0.0724	0.0814	0.0907	0.1003	0.1106
SSP5-26	Fulton	Manufacturing	0.3106	0.1936	0.2191	0.2487	0.2793	0.3115	0.3445	0.3797
SSP5-26	Fulton	Wholesale trade	0.0437	0.0273	0.0309	0.0350	0.0393	0.0439	0.0485	0.0535
SSP5-26	Fulton	Retail trade	0.0702	0.0437	0.0495	0.0562	0.0631	0.0704	0.0778	0.0858
SSP5-26	Fulton	Transportation and warehousing	0.0176	0.0110	0.0124	0.0141	0.0158	0.0177	0.0195	0.0215

## Gibson County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Gibson	All industry total	1.0000	2.8518	3.1623	3.4811	3.8005	4.1070	4.3956	4.6587
SSP1	Gibson	Construction	0.0097	0.0277	0.0307	0.0338	0.0369	0.0398	0.0426	0.0452
SSP1	Gibson	Manufacturing	0.3198	0.9119	1.0112	1.1131	1.2153	1.3133	1.4056	1.4897
SSP1	Gibson	Wholesale trade	0.0173	0.0494	0.0548	0.0603	0.0658	0.0711	0.0761	0.0807
SSP1	Gibson	Retail trade	0.0328	0.0937	0.1039	0.1143	0.1248	0.1349	0.1444	0.1530
SSP1	Gibson	Transportation and warehousing	0.0502	0.1432	0.1588	0.1748	0.1908	0.2062	0.2207	0.2339
SSP2	Gibson	All industry total	1.0000	2.8357	3.1037	3.3488	3.5735	3.7864	3.9874	4.1727
SSP2	Gibson	Construction	0.0097	0.0275	0.0301	0.0325	0.0347	0.0367	0.0387	0.0405
SSP2	Gibson	Manufacturing	0.3198	0.9068	0.9925	1.0708	1.1427	1.2108	1.2750	1.3343
SSP2	Gibson	Wholesale trade	0.0173	0.0491	0.0538	0.0580	0.0619	0.0656	0.0691	0.0723
SSP2	Gibson	Retail trade	0.0328	0.0931	0.1019	0.1100	0.1174	0.1244	0.1310	0.1371
SSP2	Gibson	Transportation and warehousing	0.0502	0.1424	0.1558	0.1682	0.1794	0.1901	0.2002	0.2095
SSP3	Gibson	All industry total	1.0000	2.7848	2.9912	3.1546	3.2860	3.3956	3.4848	3.5453
SSP3	Gibson	Construction	0.0097	0.0270	0.0290	0.0306	0.0319	0.0329	0.0338	0.0344
SSP3	Gibson	Manufacturing	0.3198	0.8905	0.9565	1.0087	1.0508	1.0858	1.1143	1.1337
SSP3	Gibson	Wholesale trade	0.0173	0.0482	0.0518	0.0546	0.0569	0.0588	0.0604	0.0614
SSP3	Gibson	Retail trade	0.0328	0.0915	0.0982	0.1036	0.1079	0.1115	0.1145	0.1164
SSP3	Gibson	Transportation and warehousing	0.0502	0.1398	0.1502	0.1584	0.1650	0.1705	0.1750	0.1780
SSP4	Gibson	All industry total	1.0000	2.8278	3.1249	3.4263	3.7213	3.9923	4.2377	4.4551
SSP4	Gibson	Construction	0.0097	0.0274	0.0303	0.0332	0.0361	0.0387	0.0411	0.0432
SSP4	Gibson	Manufacturing	0.3198	0.9043	0.9992	1.0956	1.1900	1.2766	1.3551	1.4246
SSP4	Gibson	Wholesale trade	0.0173	0.0490	0.0541	0.0593	0.0644	0.0691	0.0734	0.0772
SSP4	Gibson	Retail trade	0.0328	0.0929	0.1026	0.1125	0.1222	0.1311	0.1392	0.1463
SSP4	Gibson	Transportation and warehousing	0.0502	0.1420	0.1569	0.1720	0.1869	0.2005	0.2128	0.2237
SSP5	Gibson	All industry total	1.0000	2.8985	3.2912	3.7433	4.2395	4.7541	5.2979	5.8726
SSP5	Gibson	Construction	0.0097	0.0281	0.0319	0.0363	0.0411	0.0461	0.0514	0.0570
SSP5	Gibson	Manufacturing	0.3198	0.9269	1.0524	1.1970	1.3556	1.5202	1.6941	1.8779
SSP5	Gibson	Wholesale trade	0.0173	0.0502	0.0570	0.0648	0.0734	0.0823	0.0918	0.1017
SSP5	Gibson	Retail trade	0.0328	0.0952	0.1081	0.1230	0.1392	0.1562	0.1740	0.1929
SSP5	Gibson	Transportation and warehousing	0.0502	0.1455	0.1653	0.1880	0.2129	0.2387	0.2660	0.2949
SSP1-26	Gibson	All industry total	1.0000	2.8518	3.1623	3.4811	3.8005	4.1070	4.3956	4.6587
SSP1-26	Gibson	Construction	0.0097	0.0277	0.0307	0.0338	0.0369	0.0398	0.0426	0.0452
SSP1-26	Gibson	Manufacturing	0.3198	0.9119	1.0112	1.1131	1.2153	1.3133	1.4056	1.4897
SSP1-26	Gibson	Wholesale trade	0.0173	0.0494	0.0548	0.0603	0.0658	0.0711	0.0761	0.0807
SSP1-26	Gibson	Retail trade	0.0328	0.0937	0.1039	0.1143	0.1248	0.1349	0.1444	0.1530
SSP1-26	Gibson	Transportation and warehousing	0.0502	0.1432	0.1588	0.1748	0.1908	0.2062	0.2207	0.2339
SSP2-26	Gibson	All industry total	1.0000	2.8321	3.0958	3.3372	3.5547	3.7609	3.9529	4.1299
SSP2-26	Gibson	Construction	0.0097	0.0275	0.0300	0.0324	0.0345	0.0365	0.0384	0.0401
SSP2-26	Gibson	Manufacturing	0.3198	0.9056	0.9899	1.0671	1.1367	1.2026	1.2640	1.3206
SSP2-26	Gibson	Wholesale trade	0.0173	0.0490	0.0536	0.0578	0.0616	0.0651	0.0685	0.0715
SSP2-26	Gibson	Retail trade	0.0328	0.0930	0.1017	0.1096	0.1168	0.1235	0.1298	0.1357
SSP2-26	Gibson	Transportation and warehousing	0.0502	0.1422	0.1555	0.1676	0.1785	0.1889	0.1985	0.2074
SSP3-34	Gibson	All industry total	1.0000	2.7837	2.9871	3.1479	3.2432	3.3197	3.3850	3.4240
SSP3-34	Gibson	Construction	0.0097	0.0270	0.0290	0.0305	0.0315	0.0322	0.0328	0.0332
SSP3-34	Gibson	Manufacturing	0.3198	0.8902	0.9552	1.0066	1.0371	1.0615	1.0824	1.0949
SSP3-34	Gibson	Wholesale trade	0.0173	0.0482	0.0517	0.0545	0.0562	0.0575	0.0586	0.0593
SSP3-34	Gibson	Retail trade	0.0328	0.0914	0.0981	0.1034	0.1065	0.1090	0.1112	0.1125
SSP3-34	Gibson	Transportation and warehousing	0.0502	0.1398	0.1500	0.1581	0.1629	0.1667	0.1700	0.1719
SSP4-26	Gibson	All industry total	1.0000	2.8282	3.1277	3.4313	3.7236	3.9920	4.2367	4.4534
SSP4-26	Gibson	Construction	0.0097	0.0274	0.0303	0.0333	0.0361	0.0387	0.0411	0.0432
SSP4-26	Gibson	Manufacturing	0.3198	0.9044	1.0001	1.0972	1.1907	1.2765	1.3547	1.4241
SSP4-26	Gibson	Wholesale trade	0.0173	0.0490	0.0542	0.0594	0.0645	0.0691	0.0734	0.0771
SSP4-26	Gibson	Retail trade	0.0328	0.0929	0.1027	0.1127	0.1223	0.1311	0.1392	0.1463
SSP4-26	Gibson	Transportation and warehousing	0.0502	0.1420	0.1571	0.1723	0.1870	0.2005	0.2127	0.2236
SSP5-26	Gibson	All industry total	1.0000	2.8985	3.2802	3.7226	4.1816	4.6634	5.1570	5.6837
SSP5-26	Gibson	Construction	0.0097	0.0281	0.0318	0.0361	0.0406	0.0452	0.0500	0.0551
SSP5-26	Gibson	Manufacturing	0.3198	0.9269	1.0489	1.1904	1.3371	1.4912	1.6490	1.8175
SSP5-26	Gibson	Wholesale trade	0.0173	0.0502	0.0568	0.0645	0.0724	0.0808	0.0893	0.0984
SSP5-26	Gibson	Retail trade	0.0328	0.0952	0.1077	0.1223	0.1373	0.1532	0.1694	0.1867
SSP5-26	Gibson	Transportation and warehousing	0.0502	0.1455	0.1647	0.1869	0.2100	0.2342	0.2590	0.2854

## Greene County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Greene	All industry total	1.0000	0.5633	0.6246	0.6875	0.7506	0.8112	0.8682	0.9201
SSP1	Greene	Construction	0.0532	0.0300	0.0333	0.0366	0.0400	0.0432	0.0462	0.0490
SSP1	Greene	Manufacturing	0.0919	0.0518	0.0574	0.0632	0.0690	0.0746	0.0798	0.0846
SSP1	Greene	Wholesale trade	0.0190	0.0107	0.0119	0.0131	0.0143	0.0154	0.0165	0.0175
SSP1	Greene	Retail trade	0.0812	0.0457	0.0507	0.0558	0.0610	0.0659	0.0705	0.0747
SSP1	Greene	Transportation and warehousing	0.0506	0.0285	0.0316	0.0348	0.0380	0.0411	0.0440	0.0466
SSP2	Greene	All industry total	1.0000	0.5601	0.6130	0.6614	0.7058	0.7478	0.7876	0.8242
SSP2	Greene	Construction	0.0532	0.0298	0.0326	0.0352	0.0376	0.0398	0.0419	0.0439
SSP2	Greene	Manufacturing	0.0919	0.0515	0.0564	0.0608	0.0649	0.0688	0.0724	0.0758
SSP2	Greene	Wholesale trade	0.0190	0.0107	0.0117	0.0126	0.0134	0.0142	0.0150	0.0157
SSP2	Greene	Retail trade	0.0812	0.0455	0.0498	0.0537	0.0573	0.0607	0.0640	0.0669
SSP2	Greene	Transportation and warehousing	0.0506	0.0284	0.0310	0.0335	0.0357	0.0379	0.0399	0.0417
SSP3	Greene	All industry total	1.0000	0.5500	0.5908	0.6231	0.6490	0.6707	0.6883	0.7002
SSP3	Greene	Construction	0.0532	0.0293	0.0315	0.0332	0.0346	0.0357	0.0366	0.0373
SSP3	Greene	Manufacturing	0.0919	0.0506	0.0543	0.0573	0.0597	0.0617	0.0633	0.0644
SSP3	Greene	Wholesale trade	0.0190	0.0105	0.0112	0.0119	0.0124	0.0128	0.0131	0.0133
SSP3	Greene	Retail trade	0.0812	0.0447	0.0480	0.0506	0.0527	0.0545	0.0559	0.0569
SSP3	Greene	Transportation and warehousing	0.0506	0.0279	0.0299	0.0316	0.0329	0.0340	0.0349	0.0355
SSP4	Greene	All industry total	1.0000	0.5585	0.6172	0.6767	0.7350	0.7885	0.8370	0.8799
SSP4	Greene	Construction	0.0532	0.0297	0.0329	0.0360	0.0391	0.0420	0.0446	0.0469
SSP4	Greene	Manufacturing	0.0919	0.0513	0.0567	0.0622	0.0676	0.0725	0.0769	0.0809
SSP4	Greene	Wholesale trade	0.0190	0.0106	0.0117	0.0129	0.0140	0.0150	0.0159	0.0168
SSP4	Greene	Retail trade	0.0812	0.0454	0.0501	0.0550	0.0597	0.0640	0.0680	0.0715
SSP4	Greene	Transportation and warehousing	0.0506	0.0283	0.0313	0.0343	0.0372	0.0399	0.0424	0.0446
SSP5	Greene	All industry total	1.0000	0.5725	0.6500	0.7393	0.8373	0.9390	1.0464	1.1599
SSP5	Greene	Construction	0.0532	0.0305	0.0346	0.0394	0.0446	0.0500	0.0557	0.0618
SSP5	Greene	Manufacturing	0.0919	0.0526	0.0598	0.0680	0.0770	0.0863	0.0962	0.1066
SSP5	Greene	Wholesale trade	0.0190	0.0109	0.0124	0.0141	0.0159	0.0179	0.0199	0.0221
SSP5	Greene	Retail trade	0.0812	0.0465	0.0528	0.0600	0.0680	0.0763	0.0850	0.0942
SSP5	Greene	Transportation and warehousing	0.0506	0.0290	0.0329	0.0374	0.0424	0.0476	0.0530	0.0587
SSP1-26	Greene	All industry total	1.0000	0.5633	0.6246	0.6875	0.7506	0.8112	0.8682	0.9201
SSP1-26	Greene	Construction	0.0532	0.0300	0.0333	0.0366	0.0400	0.0432	0.0462	0.0490
SSP1-26	Greene	Manufacturing	0.0919	0.0518	0.0574	0.0632	0.0690	0.0746	0.0798	0.0846
SSP1-26	Greene	Wholesale trade	0.0190	0.0107	0.0119	0.0131	0.0143	0.0154	0.0165	0.0175
SSP1-26	Greene	Retail trade	0.0812	0.0457	0.0507	0.0558	0.0610	0.0659	0.0705	0.0747
SSP1-26	Greene	Transportation and warehousing	0.0506	0.0285	0.0316	0.0348	0.0380	0.0411	0.0440	0.0466
SSP2-26	Greene	All industry total	1.0000	0.5594	0.6115	0.6591	0.7021	0.7428	0.7807	0.8157
SSP2-26	Greene	Construction	0.0532	0.0298	0.0326	0.0351	0.0374	0.0396	0.0416	0.0434
SSP2-26	Greene	Manufacturing	0.0919	0.0514	0.0562	0.0606	0.0645	0.0683	0.0718	0.0750
SSP2-26	Greene	Wholesale trade	0.0190	0.0106	0.0116	0.0125	0.0134	0.0141	0.0149	0.0155
SSP2-26	Greene	Retail trade	0.0812	0.0454	0.0497	0.0535	0.0570	0.0603	0.0634	0.0662
SSP2-26	Greene	Transportation and warehousing	0.0506	0.0283	0.0310	0.0334	0.0356	0.0376	0.0395	0.0413
SSP3-34	Greene	All industry total	1.0000	0.5498	0.5900	0.6217	0.6406	0.6557	0.6686	0.6763
SSP3-34	Greene	Construction	0.0532	0.0293	0.0314	0.0331	0.0341	0.0349	0.0356	0.0360
SSP3-34	Greene	Manufacturing	0.0919	0.0505	0.0542	0.0572	0.0589	0.0603	0.0615	0.0622
SSP3-34	Greene	Wholesale trade	0.0190	0.0105	0.0112	0.0118	0.0122	0.0125	0.0127	0.0129
SSP3-34	Greene	Retail trade	0.0812	0.0447	0.0479	0.0505	0.0520	0.0533	0.0543	0.0549
SSP3-34	Greene	Transportation and warehousing	0.0506	0.0278	0.0299	0.0315	0.0324	0.0332	0.0339	0.0342
SSP4-26	Greene	All industry total	1.0000	0.5586	0.6177	0.6777	0.7354	0.7885	0.8368	0.8796
SSP4-26	Greene	Construction	0.0532	0.0297	0.0329	0.0361	0.0392	0.0420	0.0446	0.0468
SSP4-26	Greene	Manufacturing	0.0919	0.0514	0.0568	0.0623	0.0676	0.0725	0.0769	0.0809
SSP4-26	Greene	Wholesale trade	0.0190	0.0106	0.0118	0.0129	0.0140	0.0150	0.0159	0.0167
SSP4-26	Greene	Retail trade	0.0812	0.0454	0.0502	0.0550	0.0597	0.0640	0.0680	0.0714
SSP4-26	Greene	Transportation and warehousing	0.0506	0.0283	0.0313	0.0343	0.0372	0.0399	0.0424	0.0445
SSP5-26	Greene	All industry total	1.0000	0.5725	0.6479	0.7352	0.8259	0.9211	1.0186	1.1226
SSP5-26	Greene	Construction	0.0532	0.0305	0.0345	0.0391	0.0440	0.0490	0.0542	0.0598
SSP5-26	Greene	Manufacturing	0.0919	0.0526	0.0596	0.0676	0.0759	0.0847	0.0936	0.1032
SSP5-26	Greene	Wholesale trade	0.0190	0.0109	0.0123	0.0140	0.0157	0.0175	0.0194	0.0214
SSP5-26	Greene	Retail trade	0.0812	0.0465	0.0526	0.0597	0.0671	0.0748	0.0827	0.0912
SSP5-26	Greene	Transportation and warehousing	0.0506	0.0290	0.0328	0.0372	0.0418	0.0466	0.0516	0.0569

## Hancock County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Hancock	All industry total	1.0000	2.0204	2.2404	2.4662	2.6925	2.9097	3.1142	3.3006
SSP1	Hancock	Construction	0.0696	0.1407	0.1560	0.1717	0.1875	0.2026	0.2169	0.2299
SSP1	Hancock	Manufacturing	0.1550	0.3131	0.3472	0.3822	0.4173	0.4510	0.4827	0.5115
SSP1	Hancock	Wholesale trade	0.0618	0.1248	0.1384	0.1523	0.1663	0.1797	0.1924	0.2039
SSP1	Hancock	Retail trade	0.0596	0.1204	0.1335	0.1470	0.1605	0.1734	0.1856	0.1967
SSP1	Hancock	Transportation and warehousing	0.0312	0.0629	0.0698	0.0768	0.0839	0.0907	0.0970	0.1028
SSP2	Hancock	All industry total	1.0000	2.0090	2.1989	2.3725	2.5318	2.6826	2.8250	2.9563
SSP2	Hancock	Construction	0.0696	0.1399	0.1531	0.1652	0.1763	0.1868	0.1967	0.2059
SSP2	Hancock	Manufacturing	0.1550	0.3114	0.3408	0.3677	0.3924	0.4158	0.4378	0.4582
SSP2	Hancock	Wholesale trade	0.0618	0.1241	0.1358	0.1466	0.1564	0.1657	0.1745	0.1826
SSP2	Hancock	Retail trade	0.0596	0.1197	0.1311	0.1414	0.1509	0.1599	0.1684	0.1762
SSP2	Hancock	Transportation and warehousing	0.0312	0.0626	0.0685	0.0739	0.0789	0.0836	0.0880	0.0921
SSP3	Hancock	All industry total	1.0000	1.9730	2.1192	2.2349	2.3281	2.4057	2.4689	2.5118
SSP3	Hancock	Construction	0.0696	0.1374	0.1476	0.1556	0.1621	0.1675	0.1719	0.1749
SSP3	Hancock	Manufacturing	0.1550	0.3058	0.3284	0.3464	0.3608	0.3729	0.3826	0.3893
SSP3	Hancock	Wholesale trade	0.0618	0.1219	0.1309	0.1381	0.1438	0.1486	0.1525	0.1552
SSP3	Hancock	Retail trade	0.0596	0.1176	0.1263	0.1332	0.1388	0.1434	0.1472	0.1497
SSP3	Hancock	Transportation and warehousing	0.0312	0.0615	0.0660	0.0696	0.0725	0.0750	0.0769	0.0783
SSP4	Hancock	All industry total	1.0000	2.0035	2.2139	2.4274	2.6364	2.8284	3.0023	3.1563
SSP4	Hancock	Construction	0.0696	0.1395	0.1542	0.1690	0.1836	0.1970	0.2091	0.2198
SSP4	Hancock	Manufacturing	0.1550	0.3105	0.3431	0.3762	0.4086	0.4384	0.4653	0.4892
SSP4	Hancock	Wholesale trade	0.0618	0.1238	0.1368	0.1499	0.1629	0.1747	0.1855	0.1950
SSP4	Hancock	Retail trade	0.0596	0.1194	0.1320	0.1447	0.1571	0.1686	0.1789	0.1881
SSP4	Hancock	Transportation and warehousing	0.0312	0.0624	0.0690	0.0756	0.0821	0.0881	0.0935	0.0983
SSP5	Hancock	All industry total	1.0000	2.0535	2.3317	2.6520	3.0035	3.3682	3.7534	4.1606
SSP5	Hancock	Construction	0.0696	0.1430	0.1624	0.1847	0.2092	0.2346	0.2614	0.2897
SSP5	Hancock	Manufacturing	0.1550	0.3183	0.3614	0.4110	0.4655	0.5220	0.5817	0.6448
SSP5	Hancock	Wholesale trade	0.0618	0.1268	0.1440	0.1638	0.1855	0.2081	0.2318	0.2570
SSP5	Hancock	Retail trade	0.0596	0.1224	0.1390	0.1581	0.1790	0.2008	0.2237	0.2480
SSP5	Hancock	Transportation and warehousing	0.0312	0.0640	0.0726	0.0826	0.0936	0.1049	0.1169	0.1296
SSP1-26	Hancock	All industry total	1.0000	2.0204	2.2404	2.4662	2.6925	2.9097	3.1142	3.3006
SSP1-26	Hancock	Construction	0.0696	0.1407	0.1560	0.1717	0.1875	0.2026	0.2169	0.2299
SSP1-26	Hancock	Manufacturing	0.1550	0.3131	0.3472	0.3822	0.4173	0.4510	0.4827	0.5115
SSP1-26	Hancock	Wholesale trade	0.0618	0.1248	0.1384	0.1523	0.1663	0.1797	0.1924	0.2039
SSP1-26	Hancock	Retail trade	0.0596	0.1204	0.1335	0.1470	0.1605	0.1734	0.1856	0.1967
SSP1-26	Hancock	Transportation and warehousing	0.0312	0.0629	0.0698	0.0768	0.0839	0.0907	0.0970	0.1028
SSP2-26	Hancock	All industry total	1.0000	2.0065	2.1933	2.3643	2.5184	2.6645	2.8005	2.9259
SSP2-26	Hancock	Construction	0.0696	0.1397	0.1527	0.1646	0.1754	0.1856	0.1950	0.2038
SSP2-26	Hancock	Manufacturing	0.1550	0.3110	0.3399	0.3664	0.3903	0.4130	0.4340	0.4535
SSP2-26	Hancock	Wholesale trade	0.0618	0.1239	0.1355	0.1460	0.1556	0.1646	0.1730	0.1807
SSP2-26	Hancock	Retail trade	0.0596	0.1196	0.1307	0.1409	0.1501	0.1588	0.1669	0.1744
SSP2-26	Hancock	Transportation and warehousing	0.0312	0.0625	0.0683	0.0737	0.0785	0.0830	0.0873	0.0912
SSP3-34	Hancock	All industry total	1.0000	1.9722	2.1163	2.2302	2.2977	2.3519	2.3982	2.4258
SSP3-34	Hancock	Construction	0.0696	0.1373	0.1474	0.1553	0.1600	0.1638	0.1670	0.1689
SSP3-34	Hancock	Manufacturing	0.1550	0.3057	0.3280	0.3456	0.3561	0.3645	0.3717	0.3760
SSP3-34	Hancock	Wholesale trade	0.0618	0.1218	0.1307	0.1378	0.1419	0.1453	0.1481	0.1498
SSP3-34	Hancock	Retail trade	0.0596	0.1175	0.1261	0.1329	0.1370	0.1402	0.1429	0.1446
SSP3-34	Hancock	Transportation and warehousing	0.0312	0.0614	0.0659	0.0695	0.0716	0.0733	0.0747	0.0756
SSP4-26	Hancock	All industry total	1.0000	2.0037	2.2159	2.4310	2.6380	2.8282	3.0016	3.1551
SSP4-26	Hancock	Construction	0.0696	0.1395	0.1543	0.1693	0.1837	0.1970	0.2090	0.2197
SSP4-26	Hancock	Manufacturing	0.1550	0.3105	0.3434	0.3768	0.4089	0.4383	0.4652	0.4890
SSP4-26	Hancock	Wholesale trade	0.0618	0.1238	0.1369	0.1502	0.1630	0.1747	0.1854	0.1949
SSP4-26	Hancock	Retail trade	0.0596	0.1194	0.1321	0.1449	0.1572	0.1686	0.1789	0.1881
SSP4-26	Hancock	Transportation and warehousing	0.0312	0.0624	0.0690	0.0757	0.0822	0.0881	0.0935	0.0983
SSP5-26	Hancock	All industry total	1.0000	2.0535	2.3239	2.6373	2.9625	3.3039	3.6536	4.0268
SSP5-26	Hancock	Construction	0.0696	0.1430	0.1618	0.1837	0.2063	0.2301	0.2544	0.2804
SSP5-26	Hancock	Manufacturing	0.1550	0.3183	0.3602	0.4087	0.4592	0.5121	0.5663	0.6241
SSP5-26	Hancock	Wholesale trade	0.0618	0.1268	0.1435	0.1629	0.1830	0.2041	0.2257	0.2487
SSP5-26	Hancock	Retail trade	0.0596	0.1224	0.1385	0.1572	0.1766	0.1969	0.2178	0.2400
SSP5-26	Hancock	Transportation and warehousing	0.0312	0.0640	0.0724	0.0822	0.0923	0.1029	0.1138	0.1255

## Hendricks County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Hendricks	All industry total	1.0000	5.2290	5.7983	6.3828	6.9684	7.5304	8.0597	8.5421
SSP1	Hendricks	Construction	0.0462	0.2413	0.2676	0.2946	0.3216	0.3476	0.3720	0.3943
SSP1	Hendricks	Manufacturing	0.1546	0.8082	0.8962	0.9865	1.0770	1.1639	1.2457	1.3202
SSP1	Hendricks	Wholesale trade	0.0780	0.4077	0.4521	0.4976	0.5433	0.5871	0.6284	0.6660
SSP1	Hendricks	Retail trade	0.1170	0.6115	0.6781	0.7465	0.8150	0.8807	0.9426	0.9990
SSP1	Hendricks	Transportation and warehousing	0.1093	0.5715	0.6337	0.6976	0.7616	0.8230	0.8808	0.9336
SSP2	Hendricks	All industry total	1.0000	5.1994	5.6908	6.1402	6.5523	6.9426	7.3112	7.6510
SSP2	Hendricks	Construction	0.0462	0.2400	0.2627	0.2834	0.3024	0.3204	0.3374	0.3531
SSP2	Hendricks	Manufacturing	0.1546	0.8036	0.8795	0.9490	1.0127	1.0730	1.1300	1.1825
SSP2	Hendricks	Wholesale trade	0.0780	0.4054	0.4437	0.4787	0.5108	0.5413	0.5700	0.5965
SSP2	Hendricks	Retail trade	0.1170	0.6081	0.6655	0.7181	0.7663	0.8119	0.8551	0.8948
SSP2	Hendricks	Transportation and warehousing	0.1093	0.5682	0.6219	0.6711	0.7161	0.7587	0.7990	0.8362
SSP3	Hendricks	All industry total	1.0000	5.1061	5.4845	5.7841	6.0251	6.2262	6.3896	6.5006
SSP3	Hendricks	Construction	0.0462	0.2357	0.2531	0.2670	0.2781	0.2874	0.2949	0.3000
SSP3	Hendricks	Manufacturing	0.1546	0.7892	0.8477	0.8940	0.9312	0.9623	0.9875	1.0047
SSP3	Hendricks	Wholesale trade	0.0780	0.3981	0.4276	0.4510	0.4697	0.4854	0.4982	0.5068
SSP3	Hendricks	Retail trade	0.1170	0.5972	0.6414	0.6765	0.7046	0.7282	0.7473	0.7603
SSP3	Hendricks	Transportation and warehousing	0.1093	0.5580	0.5994	0.6321	0.6585	0.6804	0.6983	0.7104
SSP4	Hendricks	All industry total	1.0000	5.1850	5.7297	6.2823	6.8232	7.3202	7.7701	8.1688
SSP4	Hendricks	Construction	0.0462	0.2393	0.2644	0.2900	0.3149	0.3379	0.3586	0.3770
SSP4	Hendricks	Manufacturing	0.1546	0.8014	0.8856	0.9710	1.0546	1.1314	1.2009	1.2625
SSP4	Hendricks	Wholesale trade	0.0780	0.4042	0.4467	0.4898	0.5320	0.5707	0.6058	0.6369
SSP4	Hendricks	Retail trade	0.1170	0.6064	0.6701	0.7347	0.7980	0.8561	0.9087	0.9553
SSP4	Hendricks	Transportation and warehousing	0.1093	0.5667	0.6262	0.6866	0.7457	0.8000	0.8492	0.8928
SSP5	Hendricks	All industry total	1.0000	5.3146	6.0346	6.8636	7.7733	8.7170	9.7141	10.7678
SSP5	Hendricks	Construction	0.0462	0.2453	0.2785	0.3168	0.3588	0.4023	0.4483	0.4970
SSP5	Hendricks	Manufacturing	0.1546	0.8214	0.9327	1.0608	1.2014	1.3473	1.5014	1.6642
SSP5	Hendricks	Wholesale trade	0.0780	0.4143	0.4705	0.5351	0.6060	0.6796	0.7573	0.8395
SSP5	Hendricks	Retail trade	0.1170	0.6216	0.7058	0.8027	0.9091	1.0195	1.1361	1.2593
SSP5	Hendricks	Transportation and warehousing	0.1093	0.5808	0.6595	0.7501	0.8495	0.9527	1.0616	1.1768
SSP1-26	Hendricks	All industry total	1.0000	5.2290	5.7983	6.3828	6.9684	7.5304	8.0597	8.5421
SSP1-26	Hendricks	Construction	0.0462	0.2413	0.2676	0.2946	0.3216	0.3476	0.3720	0.3943
SSP1-26	Hendricks	Manufacturing	0.1546	0.8082	0.8962	0.9865	1.0770	1.1639	1.2457	1.3202
SSP1-26	Hendricks	Wholesale trade	0.0780	0.4077	0.4521	0.4976	0.5433	0.5871	0.6284	0.6660
SSP1-26	Hendricks	Retail trade	0.1170	0.6115	0.6781	0.7465	0.8150	0.8807	0.9426	0.9990
SSP1-26	Hendricks	Transportation and warehousing	0.1093	0.5715	0.6337	0.6976	0.7616	0.8230	0.8808	0.9336
SSP2-26	Hendricks	All industry total	1.0000	5.1929	5.6764	6.1190	6.5177	6.8959	7.2478	7.5725
SSP2-26	Hendricks	Construction	0.0462	0.2397	0.2620	0.2824	0.3008	0.3183	0.3345	0.3495
SSP2-26	Hendricks	Manufacturing	0.1546	0.8026	0.8773	0.9457	1.0073	1.0658	1.1202	1.1704
SSP2-26	Hendricks	Wholesale trade	0.0780	0.4049	0.4426	0.4771	0.5081	0.5376	0.5651	0.5904
SSP2-26	Hendricks	Retail trade	0.1170	0.6073	0.6639	0.7156	0.7623	0.8065	0.8476	0.8856
SSP2-26	Hendricks	Transportation and warehousing	0.1093	0.5675	0.6204	0.6687	0.7123	0.7537	0.7921	0.8276
SSP3-34	Hendricks	All industry total	1.0000	5.1042	5.4770	5.7719	5.9467	6.0869	6.2066	6.2781
SSP3-34	Hendricks	Construction	0.0462	0.2356	0.2528	0.2664	0.2745	0.2809	0.2865	0.2898
SSP3-34	Hendricks	Manufacturing	0.1546	0.7889	0.8465	0.8921	0.9191	0.9408	0.9593	0.9703
SSP3-34	Hendricks	Wholesale trade	0.0780	0.3979	0.4270	0.4500	0.4636	0.4746	0.4839	0.4895
SSP3-34	Hendricks	Retail trade	0.1170	0.5969	0.6405	0.6750	0.6955	0.7119	0.7259	0.7342
SSP3-34	Hendricks	Transportation and warehousing	0.1093	0.5578	0.5986	0.6308	0.6499	0.6652	0.6783	0.6861
SSP4-26	Hendricks	All industry total	1.0000	5.1857	5.7348	6.2914	6.8274	7.3196	7.7682	8.1656
SSP4-26	Hendricks	Construction	0.0462	0.2393	0.2647	0.2904	0.3151	0.3378	0.3585	0.3769
SSP4-26	Hendricks	Manufacturing	0.1546	0.8015	0.8863	0.9724	1.0552	1.1313	1.2006	1.2620
SSP4-26	Hendricks	Wholesale trade	0.0780	0.4043	0.4471	0.4905	0.5323	0.5707	0.6056	0.6366
SSP4-26	Hendricks	Retail trade	0.1170	0.6065	0.6707	0.7358	0.7985	0.8560	0.9085	0.9550
SSP4-26	Hendricks	Transportation and warehousing	0.1093	0.5667	0.6267	0.6876	0.7462	0.8000	0.8490	0.8924
SSP5-26	Hendricks	All industry total	1.0000	5.3146	6.0144	6.8255	7.6672	8.5507	9.4557	10.4215
SSP5-26	Hendricks	Construction	0.0462	0.2453	0.2776	0.3150	0.3539	0.3947	0.4364	0.4810
SSP5-26	Hendricks	Manufacturing	0.1546	0.8214	0.9296	1.0549	1.1850	1.3216	1.4614	1.6107
SSP5-26	Hendricks	Wholesale trade	0.0780	0.4143	0.4689	0.5321	0.5978	0.6666	0.7372	0.8125
SSP5-26	Hendricks	Retail trade	0.1170	0.6216	0.7034	0.7983	0.8967	1.0000	1.1059	1.2188
SSP5-26	Hendricks	Transportation and warehousing	0.1093	0.5808	0.6573	0.7460	0.8379	0.9345	1.0334	1.1390

## Henry County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Henry	All industry total	1.0000	1.0449	1.1587	1.2755	1.3925	1.5048	1.6106	1.7070
SSP1	Henry	Construction	0.0411	0.0430	0.0476	0.0524	0.0572	0.0619	0.0662	0.0702
SSP1	Henry	Manufacturing	0.2414	0.2522	0.2797	0.3079	0.3361	0.3632	0.3887	0.4120
SSP1	Henry	Wholesale trade	0.0386	0.0404	0.0448	0.0493	0.0538	0.0581	0.0622	0.0659
SSP1	Henry	Retail trade	0.0747	0.0780	0.0865	0.0953	0.1040	0.1124	0.1203	0.1275
SSP1	Henry	Transportation and warehousing	0.0198	0.0207	0.0230	0.0253	0.0276	0.0298	0.0319	0.0338
SSP2	Henry	All industry total	1.0000	1.0390	1.1372	1.2270	1.3094	1.3874	1.4610	1.5289
SSP2	Henry	Construction	0.0411	0.0427	0.0467	0.0504	0.0538	0.0570	0.0601	0.0628
SSP2	Henry	Manufacturing	0.2414	0.2508	0.2745	0.2962	0.3160	0.3349	0.3526	0.3690
SSP2	Henry	Wholesale trade	0.0386	0.0401	0.0439	0.0474	0.0506	0.0536	0.0564	0.0591
SSP2	Henry	Retail trade	0.0747	0.0776	0.0849	0.0916	0.0978	0.1036	0.1091	0.1142
SSP2	Henry	Transportation and warehousing	0.0198	0.0206	0.0225	0.0243	0.0259	0.0275	0.0289	0.0303
SSP3	Henry	All industry total	1.0000	1.0204	1.0960	1.1559	1.2040	1.2442	1.2769	1.2991
SSP3	Henry	Construction	0.0411	0.0419	0.0450	0.0475	0.0495	0.0511	0.0525	0.0534
SSP3	Henry	Manufacturing	0.2414	0.2463	0.2645	0.2790	0.2906	0.3003	0.3082	0.3135
SSP3	Henry	Wholesale trade	0.0386	0.0394	0.0423	0.0446	0.0465	0.0481	0.0493	0.0502
SSP3	Henry	Retail trade	0.0747	0.0762	0.0819	0.0863	0.0899	0.0929	0.0954	0.0970
SSP3	Henry	Transportation and warehousing	0.0198	0.0202	0.0217	0.0229	0.0239	0.0246	0.0253	0.0257
SSP4	Henry	All industry total	1.0000	1.0362	1.1450	1.2554	1.3635	1.4628	1.5527	1.6324
SSP4	Henry	Construction	0.0411	0.0426	0.0471	0.0516	0.0560	0.0601	0.0638	0.0671
SSP4	Henry	Manufacturing	0.2414	0.2501	0.2764	0.3030	0.3291	0.3531	0.3748	0.3940
SSP4	Henry	Wholesale trade	0.0386	0.0400	0.0442	0.0485	0.0527	0.0565	0.0600	0.0631
SSP4	Henry	Retail trade	0.0747	0.0774	0.0855	0.0938	0.1018	0.1093	0.1160	0.1219
SSP4	Henry	Transportation and warehousing	0.0198	0.0205	0.0227	0.0249	0.0270	0.0290	0.0308	0.0323
SSP5	Henry	All industry total	1.0000	1.0620	1.2059	1.3716	1.5534	1.7420	1.9412	2.1518
SSP5	Henry	Construction	0.0411	0.0437	0.0496	0.0564	0.0639	0.0716	0.0798	0.0884
SSP5	Henry	Manufacturing	0.2414	0.2563	0.2911	0.3311	0.3749	0.4205	0.4685	0.5194
SSP5	Henry	Wholesale trade	0.0386	0.0410	0.0466	0.0530	0.0600	0.0673	0.0750	0.0831
SSP5	Henry	Retail trade	0.0747	0.0793	0.0901	0.1024	0.1160	0.1301	0.1450	0.1607
SSP5	Henry	Transportation and warehousing	0.0198	0.0210	0.0239	0.0272	0.0308	0.0345	0.0385	0.0426
SSP1-26	Henry	All industry total	1.0000	1.0449	1.1587	1.2755	1.3925	1.5048	1.6106	1.7070
SSP1-26	Henry	Construction	0.0411	0.0430	0.0476	0.0524	0.0572	0.0619	0.0662	0.0702
SSP1-26	Henry	Manufacturing	0.2414	0.2522	0.2797	0.3079	0.3361	0.3632	0.3887	0.4120
SSP1-26	Henry	Wholesale trade	0.0386	0.0404	0.0448	0.0493	0.0538	0.0581	0.0622	0.0659
SSP1-26	Henry	Retail trade	0.0747	0.0780	0.0865	0.0953	0.1040	0.1124	0.1203	0.1275
SSP1-26	Henry	Transportation and warehousing	0.0198	0.0207	0.0230	0.0253	0.0276	0.0298	0.0319	0.0338
SSP2-26	Henry	All industry total	1.0000	1.0377	1.1343	1.2228	1.3025	1.3781	1.4484	1.5132
SSP2-26	Henry	Construction	0.0411	0.0427	0.0466	0.0503	0.0535	0.0566	0.0595	0.0622
SSP2-26	Henry	Manufacturing	0.2414	0.2505	0.2738	0.2951	0.3144	0.3326	0.3496	0.3652
SSP2-26	Henry	Wholesale trade	0.0386	0.0401	0.0438	0.0472	0.0503	0.0532	0.0559	0.0585
SSP2-26	Henry	Retail trade	0.0747	0.0775	0.0847	0.0913	0.0973	0.1029	0.1082	0.1130
SSP2-26	Henry	Transportation and warehousing	0.0198	0.0206	0.0225	0.0242	0.0258	0.0273	0.0287	0.0300
SSP3-34	Henry	All industry total	1.0000	1.0200	1.0945	1.1534	1.1884	1.2164	1.2403	1.2546
SSP3-34	Henry	Construction	0.0411	0.0419	0.0450	0.0474	0.0488	0.0500	0.0510	0.0516
SSP3-34	Henry	Manufacturing	0.2414	0.2462	0.2642	0.2784	0.2868	0.2936	0.2994	0.3028
SSP3-34	Henry	Wholesale trade	0.0386	0.0394	0.0423	0.0446	0.0459	0.0470	0.0479	0.0485
SSP3-34	Henry	Retail trade	0.0747	0.0762	0.0817	0.0861	0.0888	0.0909	0.0926	0.0937
SSP3-34	Henry	Transportation and warehousing	0.0198	0.0202	0.0217	0.0228	0.0235	0.0241	0.0246	0.0249
SSP4-26	Henry	All industry total	1.0000	1.0363	1.1460	1.2573	1.3644	1.4627	1.5524	1.6318
SSP4-26	Henry	Construction	0.0411	0.0426	0.0471	0.0517	0.0561	0.0601	0.0638	0.0671
SSP4-26	Henry	Manufacturing	0.2414	0.2501	0.2766	0.3035	0.3293	0.3531	0.3747	0.3939
SSP4-26	Henry	Wholesale trade	0.0386	0.0400	0.0443	0.0486	0.0527	0.0565	0.0600	0.0630
SSP4-26	Henry	Retail trade	0.0747	0.0774	0.0856	0.0939	0.1019	0.1093	0.1159	0.1219
SSP4-26	Henry	Transportation and warehousing	0.0198	0.0205	0.0227	0.0249	0.0270	0.0290	0.0308	0.0323
SSP5-26	Henry	All industry total	1.0000	1.0620	1.2019	1.3640	1.5322	1.7087	1.8896	2.0826
SSP5-26	Henry	Construction	0.0411	0.0437	0.0494	0.0561	0.0630	0.0702	0.0777	0.0856
SSP5-26	Henry	Manufacturing	0.2414	0.2563	0.2901	0.3292	0.3698	0.4124	0.4561	0.5027
SSP5-26	Henry	Wholesale trade	0.0386	0.0410	0.0464	0.0527	0.0592	0.0660	0.0730	0.0804
SSP5-26	Henry	Retail trade	0.0747	0.0793	0.0898	0.1019	0.1144	0.1276	0.1411	0.1555
SSP5-26	Henry	Transportation and warehousing	0.0198	0.0210	0.0238	0.0270	0.0304	0.0338	0.0374	0.0413



## Howard County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Howard	All industry total	1.0000	5.2626	5.8356	6.4238	7.0132	7.5788	8.1115	8.5970
SSP1	Howard	Construction	0.0148	0.0779	0.0864	0.0951	0.1038	0.1122	0.1201	0.1272
SSP1	Howard	Manufacturing	0.6220	3.2734	3.6298	3.9957	4.3623	4.7141	5.0454	5.3474
SSP1	Howard	Wholesale trade	0.0260	0.1368	0.1517	0.1670	0.1824	0.1971	0.2109	0.2235
SSP1	Howard	Retail trade	0.0429	0.2255	0.2501	0.2753	0.3006	0.3248	0.3476	0.3684
SSP1	Howard	Transportation and warehousing	0.0102	0.0539	0.0598	0.0658	0.0719	0.0777	0.0831	0.0881
SSP2	Howard	All industry total	1.0000	5.2328	5.7274	6.1797	6.5944	6.9872	7.3582	7.7001
SSP2	Howard	Construction	0.0148	0.0774	0.0848	0.0915	0.0976	0.1034	0.1089	0.1140
SSP2	Howard	Manufacturing	0.6220	3.2549	3.5625	3.8438	4.1018	4.3461	4.5769	4.7896
SSP2	Howard	Wholesale trade	0.0260	0.1361	0.1489	0.1607	0.1715	0.1817	0.1913	0.2002
SSP2	Howard	Retail trade	0.0429	0.2243	0.2455	0.2648	0.2826	0.2995	0.3154	0.3300
SSP2	Howard	Transportation and warehousing	0.0102	0.0536	0.0587	0.0633	0.0676	0.0716	0.0754	0.0789
SSP3	Howard	All industry total	1.0000	5.1389	5.5198	5.8213	6.0639	6.2662	6.4306	6.5424
SSP3	Howard	Construction	0.0148	0.0761	0.0817	0.0862	0.0897	0.0927	0.0952	0.0968
SSP3	Howard	Manufacturing	0.6220	3.1965	3.4333	3.6209	3.7718	3.8976	3.9999	4.0694
SSP3	Howard	Wholesale trade	0.0260	0.1336	0.1435	0.1514	0.1577	0.1629	0.1672	0.1701
SSP3	Howard	Retail trade	0.0429	0.2202	0.2366	0.2495	0.2599	0.2685	0.2756	0.2804
SSP3	Howard	Transportation and warehousing	0.0102	0.0527	0.0566	0.0597	0.0621	0.0642	0.0659	0.0670
SSP4	Howard	All industry total	1.0000	5.2184	5.7665	6.3226	6.8671	7.3672	7.8200	8.2213
SSP4	Howard	Construction	0.0148	0.0772	0.0853	0.0936	0.1016	0.1090	0.1157	0.1217
SSP4	Howard	Manufacturing	0.6220	3.2459	3.5868	3.9328	4.2714	4.5825	4.8641	5.1137
SSP4	Howard	Wholesale trade	0.0260	0.1357	0.1499	0.1644	0.1786	0.1916	0.2033	0.2138
SSP4	Howard	Retail trade	0.0429	0.2236	0.2471	0.2710	0.2943	0.3157	0.3351	0.3523
SSP4	Howard	Transportation and warehousing	0.0102	0.0535	0.0591	0.0648	0.0704	0.0755	0.0801	0.0843
SSP5	Howard	All industry total	1.0000	5.3488	6.0734	6.9077	7.8233	8.7731	9.7765	10.8370
SSP5	Howard	Construction	0.0148	0.0792	0.0899	0.1022	0.1158	0.1298	0.1447	0.1604
SSP5	Howard	Manufacturing	0.6220	3.3270	3.7777	4.2967	4.8662	5.4570	6.0811	6.7408
SSP5	Howard	Wholesale trade	0.0260	0.1391	0.1579	0.1796	0.2034	0.2281	0.2542	0.2818
SSP5	Howard	Retail trade	0.0429	0.2292	0.2603	0.2960	0.3353	0.3760	0.4190	0.4644
SSP5	Howard	Transportation and warehousing	0.0102	0.0548	0.0622	0.0708	0.0802	0.0899	0.1002	0.1111
SSP1-26	Howard	All industry total	1.0000	5.2626	5.8356	6.4238	7.0132	7.5788	8.1115	8.5970
SSP1-26	Howard	Construction	0.0148	0.0779	0.0864	0.0951	0.1038	0.1122	0.1201	0.1272
SSP1-26	Howard	Manufacturing	0.6220	3.2734	3.6298	3.9957	4.3623	4.7141	5.0454	5.3474
SSP1-26	Howard	Wholesale trade	0.0260	0.1368	0.1517	0.1670	0.1824	0.1971	0.2109	0.2235
SSP1-26	Howard	Retail trade	0.0429	0.2255	0.2501	0.2753	0.3006	0.3248	0.3476	0.3684
SSP1-26	Howard	Transportation and warehousing	0.0102	0.0539	0.0598	0.0658	0.0719	0.0777	0.0831	0.0881
SSP2-26	Howard	All industry total	1.0000	5.2262	5.7129	6.1583	6.5596	6.9403	7.2944	7.6211
SSP2-26	Howard	Construction	0.0148	0.0773	0.0846	0.0911	0.0971	0.1027	0.1080	0.1128
SSP2-26	Howard	Manufacturing	0.6220	3.2508	3.5535	3.8305	4.0801	4.3169	4.5372	4.7404
SSP2-26	Howard	Wholesale trade	0.0260	0.1359	0.1485	0.1601	0.1706	0.1805	0.1897	0.1982
SSP2-26	Howard	Retail trade	0.0429	0.2240	0.2448	0.2639	0.2811	0.2974	0.3126	0.3266
SSP2-26	Howard	Transportation and warehousing	0.0102	0.0536	0.0585	0.0631	0.0672	0.0711	0.0748	0.0781
SSP3-34	Howard	All industry total	1.0000	5.1370	5.5122	5.8090	5.9849	6.1261	6.2465	6.3184
SSP3-34	Howard	Construction	0.0148	0.0760	0.0816	0.0860	0.0886	0.0907	0.0924	0.0935
SSP3-34	Howard	Manufacturing	0.6220	3.1953	3.4287	3.6132	3.7227	3.8105	3.8854	3.9301
SSP3-34	Howard	Wholesale trade	0.0260	0.1336	0.1433	0.1510	0.1556	0.1593	0.1624	0.1643
SSP3-34	Howard	Retail trade	0.0429	0.2202	0.2362	0.2490	0.2565	0.2625	0.2677	0.2708
SSP3-34	Howard	Transportation and warehousing	0.0102	0.0526	0.0565	0.0595	0.0613	0.0628	0.0640	0.0648
SSP4-26	Howard	All industry total	1.0000	5.2190	5.7716	6.3319	6.8713	7.3667	7.8181	8.2181
SSP4-26	Howard	Construction	0.0148	0.0772	0.0854	0.0937	0.1017	0.1090	0.1157	0.1216
SSP4-26	Howard	Manufacturing	0.6220	3.2463	3.5900	3.9385	4.2740	4.5822	4.8630	5.1118
SSP4-26	Howard	Wholesale trade	0.0260	0.1357	0.1501	0.1646	0.1787	0.1915	0.2033	0.2137
SSP4-26	Howard	Retail trade	0.0429	0.2237	0.2474	0.2714	0.2945	0.3157	0.3351	0.3522
SSP4-26	Howard	Transportation and warehousing	0.0102	0.0535	0.0591	0.0649	0.0704	0.0755	0.0801	0.0842
SSP5-26	Howard	All industry total	1.0000	5.3488	6.0531	6.8694	7.7165	8.6057	9.5165	10.4885
SSP5-26	Howard	Construction	0.0148	0.0792	0.0896	0.1017	0.1142	0.1274	0.1408	0.1552
SSP5-26	Howard	Manufacturing	0.6220	3.3270	3.7651	4.2729	4.7998	5.3528	5.9194	6.5239
SSP5-26	Howard	Wholesale trade	0.0260	0.1391	0.1574	0.1786	0.2006	0.2238	0.2474	0.2727
SSP5-26	Howard	Retail trade	0.0429	0.2292	0.2594	0.2944	0.3307	0.3688	0.4078	0.4495
SSP5-26	Howard	Transportation and warehousing	0.0102	0.0548	0.0620	0.0704	0.0791	0.0882	0.0975	0.1075

## Huntington County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Huntington	All industry total	1.0000	1.2529	1.3894	1.5294	1.6697	1.8044	1.9312	2.0468
SSP1	Huntington	Construction	0.0356	0.0445	0.0494	0.0544	0.0594	0.0641	0.0687	0.0728
SSP1	Huntington	Manufacturing	0.3434	0.4302	0.4771	0.5252	0.5734	0.6196	0.6632	0.7029
SSP1	Huntington	Wholesale trade	0.0734	0.0920	0.1020	0.1123	0.1226	0.1325	0.1418	0.1503
SSP1	Huntington	Retail trade	0.0506	0.0634	0.0703	0.0774	0.0844	0.0913	0.0977	0.1035
SSP1	Huntington	Transportation and warehousing	0.0480	0.0601	0.0666	0.0734	0.0801	0.0865	0.0926	0.0982
SSP2	Huntington	All industry total	1.0000	1.2459	1.3636	1.4713	1.5700	1.6635	1.7519	1.8333
SSP2	Huntington	Construction	0.0356	0.0443	0.0485	0.0523	0.0558	0.0591	0.0623	0.0652
SSP2	Huntington	Manufacturing	0.3434	0.4278	0.4682	0.5052	0.5391	0.5712	0.6016	0.6295
SSP2	Huntington	Wholesale trade	0.0734	0.0915	0.1001	0.1080	0.1153	0.1221	0.1286	0.1346
SSP2	Huntington	Retail trade	0.0506	0.0630	0.0690	0.0744	0.0794	0.0841	0.0886	0.0927
SSP2	Huntington	Transportation and warehousing	0.0480	0.0598	0.0654	0.0706	0.0753	0.0798	0.0840	0.0879
SSP3	Huntington	All industry total	1.0000	1.2235	1.3142	1.3860	1.4437	1.4919	1.5310	1.5576
SSP3	Huntington	Construction	0.0356	0.0435	0.0467	0.0493	0.0513	0.0530	0.0544	0.0554
SSP3	Huntington	Manufacturing	0.3434	0.4201	0.4513	0.4759	0.4958	0.5123	0.5257	0.5349
SSP3	Huntington	Wholesale trade	0.0734	0.0898	0.0965	0.1018	0.1060	0.1095	0.1124	0.1144
SSP3	Huntington	Retail trade	0.0506	0.0619	0.0665	0.0701	0.0730	0.0755	0.0774	0.0788
SSP3	Huntington	Transportation and warehousing	0.0480	0.0587	0.0630	0.0665	0.0692	0.0716	0.0734	0.0747
SSP4	Huntington	All industry total	1.0000	1.2424	1.3729	1.5053	1.6349	1.7540	1.8618	1.9574
SSP4	Huntington	Construction	0.0356	0.0442	0.0488	0.0535	0.0581	0.0624	0.0662	0.0696
SSP4	Huntington	Manufacturing	0.3434	0.4266	0.4714	0.5169	0.5614	0.6023	0.6393	0.6721
SSP4	Huntington	Wholesale trade	0.0734	0.0912	0.1008	0.1105	0.1200	0.1288	0.1367	0.1437
SSP4	Huntington	Retail trade	0.0506	0.0628	0.0694	0.0761	0.0827	0.0887	0.0942	0.0990
SSP4	Huntington	Transportation and warehousing	0.0480	0.0596	0.0658	0.0722	0.0784	0.0841	0.0893	0.0939
SSP5	Huntington	All industry total	1.0000	1.2735	1.4460	1.6446	1.8626	2.0887	2.3276	2.5801
SSP5	Huntington	Construction	0.0356	0.0453	0.0514	0.0585	0.0662	0.0743	0.0827	0.0917
SSP5	Huntington	Manufacturing	0.3434	0.4373	0.4965	0.5648	0.6396	0.7173	0.7993	0.8860
SSP5	Huntington	Wholesale trade	0.0734	0.0935	0.1062	0.1208	0.1368	0.1534	0.1709	0.1894
SSP5	Huntington	Retail trade	0.0506	0.0644	0.0731	0.0832	0.0942	0.1056	0.1177	0.1305
SSP5	Huntington	Transportation and warehousing	0.0480	0.0611	0.0694	0.0789	0.0893	0.1002	0.1116	0.1237
SSP1-26	Huntington	All industry total	1.0000	1.2529	1.3894	1.5294	1.6697	1.8044	1.9312	2.0468
SSP1-26	Huntington	Construction	0.0356	0.0445	0.0494	0.0544	0.0594	0.0641	0.0687	0.0728
SSP1-26	Huntington	Manufacturing	0.3434	0.4302	0.4771	0.5252	0.5734	0.6196	0.6632	0.7029
SSP1-26	Huntington	Wholesale trade	0.0734	0.0920	0.1020	0.1123	0.1226	0.1325	0.1418	0.1503
SSP1-26	Huntington	Retail trade	0.0506	0.0634	0.0703	0.0774	0.0844	0.0913	0.0977	0.1035
SSP1-26	Huntington	Transportation and warehousing	0.0480	0.0601	0.0666	0.0734	0.0801	0.0865	0.0926	0.0982
SSP2-26	Huntington	All industry total	1.0000	1.2443	1.3601	1.4662	1.5617	1.6524	1.7367	1.8145
SSP2-26	Huntington	Construction	0.0356	0.0442	0.0484	0.0521	0.0555	0.0587	0.0617	0.0645
SSP2-26	Huntington	Manufacturing	0.3434	0.4273	0.4671	0.5035	0.5363	0.5674	0.5964	0.6231
SSP2-26	Huntington	Wholesale trade	0.0734	0.0914	0.0999	0.1077	0.1147	0.1213	0.1275	0.1332
SSP2-26	Huntington	Retail trade	0.0506	0.0629	0.0688	0.0742	0.0790	0.0836	0.0878	0.0918
SSP2-26	Huntington	Transportation and warehousing	0.0480	0.0597	0.0652	0.0703	0.0749	0.0792	0.0833	0.0870
SSP3-34	Huntington	All industry total	1.0000	1.2230	1.3124	1.3830	1.4249	1.4585	1.4872	1.5043
SSP3-34	Huntington	Construction	0.0356	0.0435	0.0467	0.0492	0.0507	0.0519	0.0529	0.0535
SSP3-34	Huntington	Manufacturing	0.3434	0.4200	0.4507	0.4749	0.4893	0.5008	0.5107	0.5166
SSP3-34	Huntington	Wholesale trade	0.0734	0.0898	0.0964	0.1015	0.1046	0.1071	0.1092	0.1105
SSP3-34	Huntington	Retail trade	0.0506	0.0619	0.0664	0.0699	0.0721	0.0738	0.0752	0.0761
SSP3-34	Huntington	Transportation and warehousing	0.0480	0.0587	0.0629	0.0663	0.0683	0.0700	0.0713	0.0721
SSP4-26	Huntington	All industry total	1.0000	1.2426	1.3741	1.5075	1.6359	1.7539	1.8614	1.9566
SSP4-26	Huntington	Construction	0.0356	0.0442	0.0489	0.0536	0.0582	0.0624	0.0662	0.0696
SSP4-26	Huntington	Manufacturing	0.3434	0.4267	0.4719	0.5177	0.5618	0.6023	0.6392	0.6719
SSP4-26	Huntington	Wholesale trade	0.0734	0.0912	0.1009	0.1107	0.1201	0.1288	0.1367	0.1437
SSP4-26	Huntington	Retail trade	0.0506	0.0628	0.0695	0.0762	0.0827	0.0887	0.0941	0.0990
SSP4-26	Huntington	Transportation and warehousing	0.0480	0.0596	0.0659	0.0723	0.0785	0.0841	0.0893	0.0938
SSP5-26	Huntington	All industry total	1.0000	1.2735	1.4411	1.6355	1.8372	2.0489	2.2657	2.4971
SSP5-26	Huntington	Construction	0.0356	0.0453	0.0512	0.0581	0.0653	0.0728	0.0805	0.0888
SSP5-26	Huntington	Manufacturing	0.3434	0.4373	0.4949	0.5616	0.6309	0.7036	0.7780	0.8575
SSP5-26	Huntington	Wholesale trade	0.0734	0.0935	0.1058	0.1201	0.1349	0.1504	0.1664	0.1833
SSP5-26	Huntington	Retail trade	0.0506	0.0644	0.0729	0.0827	0.0929	0.1036	0.1146	0.1263
SSP5-26	Huntington	Transportation and warehousing	0.0480	0.0611	0.0691	0.0784	0.0881	0.0983	0.1087	0.1198

## Jackson County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Jackson	All industry total	1.0000	2.2282	2.4707	2.7198	2.9694	3.2088	3.4344	3.6399
SSP1	Jackson	Construction	0.0205	0.0457	0.0506	0.0557	0.0609	0.0658	0.0704	0.0746
SSP1	Jackson	Manufacturing	0.5071	1.1300	1.2530	1.3793	1.5059	1.6273	1.7417	1.8459
SSP1	Jackson	Wholesale trade	0.0346	0.0770	0.0854	0.0940	0.1026	0.1109	0.1187	0.1258
SSP1	Jackson	Retail trade	0.0496	0.1105	0.1225	0.1349	0.1472	0.1591	0.1703	0.1805
SSP1	Jackson	Transportation and warehousing	0.0505	0.1125	0.1247	0.1373	0.1499	0.1620	0.1734	0.1837
SSP2	Jackson	All industry total	1.0000	2.2156	2.4249	2.6165	2.7921	2.9584	3.1154	3.2602
SSP2	Jackson	Construction	0.0205	0.0454	0.0497	0.0536	0.0572	0.0606	0.0638	0.0668
SSP2	Jackson	Manufacturing	0.5071	1.1236	1.2298	1.3269	1.4159	1.5003	1.5799	1.6534
SSP2	Jackson	Wholesale trade	0.0346	0.0766	0.0838	0.0904	0.0965	0.1022	0.1077	0.1127
SSP2	Jackson	Retail trade	0.0496	0.1099	0.1202	0.1297	0.1384	0.1467	0.1545	0.1617
SSP2	Jackson	Transportation and warehousing	0.0505	0.1118	0.1224	0.1321	0.1409	0.1493	0.1573	0.1646
SSP3	Jackson	All industry total	1.0000	2.1758	2.3370	2.4647	2.5674	2.6531	2.7227	2.7700
SSP3	Jackson	Construction	0.0205	0.0446	0.0479	0.0505	0.0526	0.0544	0.0558	0.0568
SSP3	Jackson	Manufacturing	0.5071	1.1034	1.1852	1.2499	1.3020	1.3455	1.3808	1.4048
SSP3	Jackson	Wholesale trade	0.0346	0.0752	0.0808	0.0852	0.0887	0.0917	0.0941	0.0957
SSP3	Jackson	Retail trade	0.0496	0.1079	0.1159	0.1222	0.1273	0.1315	0.1350	0.1373
SSP3	Jackson	Transportation and warehousing	0.0505	0.1098	0.1180	0.1244	0.1296	0.1339	0.1374	0.1398
SSP4	Jackson	All industry total	1.0000	2.2094	2.4415	2.6770	2.9075	3.1192	3.3110	3.4809
SSP4	Jackson	Construction	0.0205	0.0453	0.0500	0.0549	0.0596	0.0639	0.0679	0.0713
SSP4	Jackson	Manufacturing	0.5071	1.1205	1.2382	1.3576	1.4745	1.5819	1.6791	1.7652
SSP4	Jackson	Wholesale trade	0.0346	0.0763	0.0844	0.0925	0.1005	0.1078	0.1144	0.1203
SSP4	Jackson	Retail trade	0.0496	0.1095	0.1211	0.1327	0.1442	0.1547	0.1642	0.1726
SSP4	Jackson	Transportation and warehousing	0.0505	0.1115	0.1232	0.1351	0.1468	0.1574	0.1671	0.1757
SSP5	Jackson	All industry total	1.0000	2.2647	2.5714	2.9247	3.3124	3.7145	4.1394	4.5884
SSP5	Jackson	Construction	0.0205	0.0464	0.0527	0.0599	0.0679	0.0761	0.0848	0.0940
SSP5	Jackson	Manufacturing	0.5071	1.1485	1.3041	1.4832	1.6798	1.8837	2.0992	2.3269
SSP5	Jackson	Wholesale trade	0.0346	0.0783	0.0889	0.1011	0.1145	0.1284	0.1430	0.1586
SSP5	Jackson	Retail trade	0.0496	0.1123	0.1275	0.1450	0.1642	0.1842	0.2052	0.2275
SSP5	Jackson	Transportation and warehousing	0.0505	0.1143	0.1298	0.1476	0.1672	0.1875	0.2089	0.2316
SSP1-26	Jackson	All industry total	1.0000	2.2282	2.4707	2.7198	2.9694	3.2088	3.4344	3.6399
SSP1-26	Jackson	Construction	0.0205	0.0457	0.0506	0.0557	0.0609	0.0658	0.0704	0.0746
SSP1-26	Jackson	Manufacturing	0.5071	1.1300	1.2530	1.3793	1.5059	1.6273	1.7417	1.8459
SSP1-26	Jackson	Wholesale trade	0.0346	0.0770	0.0854	0.0940	0.1026	0.1109	0.1187	0.1258
SSP1-26	Jackson	Retail trade	0.0496	0.1105	0.1225	0.1349	0.1472	0.1591	0.1703	0.1805
SSP1-26	Jackson	Transportation and warehousing	0.0505	0.1125	0.1247	0.1373	0.1499	0.1620	0.1734	0.1837
SSP2-26	Jackson	All industry total	1.0000	2.2128	2.4188	2.6074	2.7773	2.9385	3.0884	3.2268
SSP2-26	Jackson	Construction	0.0205	0.0453	0.0496	0.0534	0.0569	0.0602	0.0633	0.0661
SSP2-26	Jackson	Manufacturing	0.5071	1.1222	1.2267	1.3223	1.4085	1.4902	1.5662	1.6364
SSP2-26	Jackson	Wholesale trade	0.0346	0.0765	0.0836	0.0901	0.0960	0.1015	0.1067	0.1115
SSP2-26	Jackson	Retail trade	0.0496	0.1097	0.1199	0.1293	0.1377	0.1457	0.1531	0.1600
SSP2-26	Jackson	Transportation and warehousing	0.0505	0.1117	0.1221	0.1316	0.1402	0.1483	0.1559	0.1629
SSP3-34	Jackson	All industry total	1.0000	2.1750	2.3339	2.4595	2.5340	2.5937	2.6447	2.6752
SSP3-34	Jackson	Construction	0.0205	0.0446	0.0478	0.0504	0.0519	0.0532	0.0542	0.0548
SSP3-34	Jackson	Manufacturing	0.5071	1.1030	1.1836	1.2473	1.2851	1.3154	1.3412	1.3567
SSP3-34	Jackson	Wholesale trade	0.0346	0.0752	0.0806	0.0850	0.0876	0.0896	0.0914	0.0924
SSP3-34	Jackson	Retail trade	0.0496	0.1078	0.1157	0.1219	0.1256	0.1286	0.1311	0.1326
SSP3-34	Jackson	Transportation and warehousing	0.0505	0.1098	0.1178	0.1241	0.1279	0.1309	0.1335	0.1350
SSP4-26	Jackson	All industry total	1.0000	2.2097	2.4437	2.6809	2.9093	3.1190	3.3102	3.4795
SSP4-26	Jackson	Construction	0.0205	0.0453	0.0501	0.0549	0.0596	0.0639	0.0678	0.0713
SSP4-26	Jackson	Manufacturing	0.5071	1.1206	1.2393	1.3596	1.4754	1.5818	1.6787	1.7646
SSP4-26	Jackson	Wholesale trade	0.0346	0.0764	0.0844	0.0926	0.1005	0.1078	0.1144	0.1202
SSP4-26	Jackson	Retail trade	0.0496	0.1096	0.1212	0.1329	0.1443	0.1546	0.1641	0.1725
SSP4-26	Jackson	Transportation and warehousing	0.0505	0.1115	0.1233	0.1353	0.1468	0.1574	0.1671	0.1756
SSP5-26	Jackson	All industry total	1.0000	2.2647	2.5629	2.9085	3.2671	3.6436	4.0292	4.4408
SSP5-26	Jackson	Construction	0.0205	0.0464	0.0525	0.0596	0.0670	0.0747	0.0826	0.0910
SSP5-26	Jackson	Manufacturing	0.5071	1.1485	1.2997	1.4750	1.6569	1.8478	2.0434	2.2521
SSP5-26	Jackson	Wholesale trade	0.0346	0.0783	0.0886	0.1005	0.1129	0.1259	0.1392	0.1535
SSP5-26	Jackson	Retail trade	0.0496	0.1123	0.1271	0.1442	0.1620	0.1807	0.1998	0.2202
SSP5-26	Jackson	Transportation and warehousing	0.0505	0.1143	0.1294	0.1468	0.1649	0.1839	0.2034	0.2242

# Johnson County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Johnson	All industry total	1.0000	4.1305	4.5803	5.0420	5.5046	5.9485	6.3666	6.7477
SSP1	Johnson	Construction	0.0555	0.2291	0.2540	0.2796	0.3053	0.3299	0.3531	0.3743
SSP1	Johnson	Manufacturing	0.1518	0.6269	0.6952	0.7653	0.8355	0.9029	0.9663	1.0242
SSP1	Johnson	Wholesale trade	0.0758	0.3132	0.3474	0.3824	0.4175	0.4511	0.4828	0.5117
SSP1	Johnson	Retail trade	0.0974	0.4025	0.4463	0.4913	0.5364	0.5797	0.6204	0.6576
SSP1	Johnson	Transportation and warehousing	0.0545	0.2249	0.2494	0.2746	0.2998	0.3239	0.3467	0.3675
SSP2	Johnson	All industry total	1.0000	4.1072	4.4953	4.8504	5.1759	5.4842	5.7754	6.0437
SSP2	Johnson	Construction	0.0555	0.2278	0.2493	0.2690	0.2871	0.3042	0.3203	0.3352
SSP2	Johnson	Manufacturing	0.1518	0.6234	0.6823	0.7362	0.7856	0.8324	0.8766	0.9173
SSP2	Johnson	Wholesale trade	0.0758	0.3115	0.3409	0.3678	0.3925	0.4159	0.4380	0.4583
SSP2	Johnson	Retail trade	0.0974	0.4002	0.4381	0.4727	0.5044	0.5344	0.5628	0.5890
SSP2	Johnson	Transportation and warehousing	0.0545	0.2237	0.2448	0.2641	0.2819	0.2987	0.3145	0.3291
SSP3	Johnson	All industry total	1.0000	4.0335	4.3324	4.5691	4.7595	4.9182	5.0473	5.1351
SSP3	Johnson	Construction	0.0555	0.2237	0.2403	0.2534	0.2640	0.2728	0.2799	0.2848
SSP3	Johnson	Manufacturing	0.1518	0.6122	0.6576	0.6935	0.7224	0.7465	0.7661	0.7794
SSP3	Johnson	Wholesale trade	0.0758	0.3059	0.3286	0.3465	0.3609	0.3730	0.3828	0.3894
SSP3	Johnson	Retail trade	0.0974	0.3931	0.4222	0.4452	0.4638	0.4793	0.4919	0.5004
SSP3	Johnson	Transportation and warehousing	0.0545	0.2197	0.2359	0.2488	0.2592	0.2678	0.2749	0.2796
SSP4	Johnson	All industry total	1.0000	4.0958	4.5261	4.9626	5.3899	5.7824	6.1379	6.4528
SSP4	Johnson	Construction	0.0555	0.2272	0.2510	0.2752	0.2989	0.3207	0.3404	0.3579
SSP4	Johnson	Manufacturing	0.1518	0.6217	0.6870	0.7532	0.8181	0.8777	0.9316	0.9794
SSP4	Johnson	Wholesale trade	0.0758	0.3106	0.3432	0.3763	0.4088	0.4385	0.4655	0.4894
SSP4	Johnson	Retail trade	0.0974	0.3991	0.4411	0.4836	0.5252	0.5635	0.5981	0.6288
SSP4	Johnson	Transportation and warehousing	0.0545	0.2230	0.2465	0.2702	0.2935	0.3149	0.3342	0.3514
SSP5	Johnson	All industry total	1.0000	4.1982	4.7669	5.4218	6.1404	6.8859	7.6735	8.5059
SSP5	Johnson	Construction	0.0555	0.2328	0.2644	0.3007	0.3406	0.3819	0.4256	0.4718
SSP5	Johnson	Manufacturing	0.1518	0.6372	0.7235	0.8229	0.9320	1.0451	1.1647	1.2910
SSP5	Johnson	Wholesale trade	0.0758	0.3184	0.3615	0.4112	0.4657	0.5222	0.5819	0.6451
SSP5	Johnson	Retail trade	0.0974	0.4091	0.4645	0.5283	0.5984	0.6710	0.7478	0.8289
SSP5	Johnson	Transportation and warehousing	0.0545	0.2286	0.2596	0.2953	0.3344	0.3750	0.4179	0.4632
SSP1-26	Johnson	All industry total	1.0000	4.1305	4.5803	5.0420	5.5046	5.9485	6.3666	6.7477
SSP1-26	Johnson	Construction	0.0555	0.2291	0.2540	0.2796	0.3053	0.3299	0.3531	0.3743
SSP1-26	Johnson	Manufacturing	0.1518	0.6269	0.6952	0.7653	0.8355	0.9029	0.9663	1.0242
SSP1-26	Johnson	Wholesale trade	0.0758	0.3132	0.3474	0.3824	0.4175	0.4511	0.4828	0.5117
SSP1-26	Johnson	Retail trade	0.0974	0.4025	0.4463	0.4913	0.5364	0.5797	0.6204	0.6576
SSP1-26	Johnson	Transportation and warehousing	0.0545	0.2249	0.2494	0.2746	0.2998	0.3239	0.3467	0.3675
SSP2-26	Johnson	All industry total	1.0000	4.1020	4.4840	4.8336	5.1486	5.4473	5.7253	5.9817
SSP2-26	Johnson	Construction	0.0555	0.2275	0.2487	0.2681	0.2856	0.3021	0.3175	0.3318
SSP2-26	Johnson	Manufacturing	0.1518	0.6226	0.6806	0.7336	0.7815	0.8268	0.8690	0.9079
SSP2-26	Johnson	Wholesale trade	0.0758	0.3111	0.3401	0.3666	0.3905	0.4131	0.4342	0.4536
SSP2-26	Johnson	Retail trade	0.0974	0.3997	0.4370	0.4710	0.5017	0.5308	0.5579	0.5829
SSP2-26	Johnson	Transportation and warehousing	0.0545	0.2234	0.2442	0.2632	0.2804	0.2966	0.3118	0.3257
SSP3-34	Johnson	All industry total	1.0000	4.0320	4.3265	4.5594	4.6975	4.8083	4.9028	4.9593
SSP3-34	Johnson	Construction	0.0555	0.2236	0.2400	0.2529	0.2605	0.2667	0.2719	0.2751
SSP3-34	Johnson	Manufacturing	0.1518	0.6120	0.6567	0.6920	0.7130	0.7298	0.7442	0.7527
SSP3-34	Johnson	Wholesale trade	0.0758	0.3058	0.3281	0.3458	0.3562	0.3646	0.3718	0.3761
SSP3-34	Johnson	Retail trade	0.0974	0.3929	0.4216	0.4443	0.4578	0.4686	0.4778	0.4833
SSP3-34	Johnson	Transportation and warehousing	0.0545	0.2196	0.2356	0.2483	0.2558	0.2618	0.2670	0.2701
SSP4-26	Johnson	All industry total	1.0000	4.0963	4.5301	4.9698	5.3932	5.7820	6.1364	6.4503
SSP4-26	Johnson	Construction	0.0555	0.2272	0.2513	0.2756	0.2991	0.3207	0.3403	0.3578
SSP4-26	Johnson	Manufacturing	0.1518	0.6217	0.6876	0.7543	0.8186	0.8776	0.9314	0.9790
SSP4-26	Johnson	Wholesale trade	0.0758	0.3107	0.3435	0.3769	0.4090	0.4385	0.4654	0.4892
SSP4-26	Johnson	Retail trade	0.0974	0.3992	0.4415	0.4843	0.5256	0.5634	0.5980	0.6286
SSP4-26	Johnson	Transportation and warehousing	0.0545	0.2231	0.2467	0.2706	0.2937	0.3149	0.3342	0.3513
SSP5-26	Johnson	All industry total	1.0000	4.1982	4.7510	5.3917	6.0566	6.7545	7.4694	8.2323
SSP5-26	Johnson	Construction	0.0555	0.2328	0.2635	0.2990	0.3359	0.3746	0.4143	0.4566
SSP5-26	Johnson	Manufacturing	0.1518	0.6372	0.7211	0.8184	0.9193	1.0252	1.1337	1.2495
SSP5-26	Johnson	Wholesale trade	0.0758	0.3184	0.3603	0.4089	0.4593	0.5122	0.5665	0.6243
SSP5-26	Johnson	Retail trade	0.0974	0.4091	0.4630	0.5254	0.5902	0.6582	0.7279	0.8022
SSP5-26	Johnson	Transportation and warehousing	0.0545	0.2286	0.2587	0.2936	0.3298	0.3678	0.4068	0.4483

## Knox County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Knox	All industry total	1.0000	1.7633	1.9553	2.1524	2.3499	2.5394	2.7178	2.8805
SSP1	Knox	Construction	0.0276	0.0487	0.0540	0.0595	0.0649	0.0702	0.0751	0.0796
SSP1	Knox	Manufacturing	0.1129	0.1990	0.2207	0.2429	0.2652	0.2866	0.3068	0.3251
SSP1	Knox	Wholesale trade	0.0473	0.0834	0.0925	0.1018	0.1111	0.1201	0.1285	0.1362
SSP1	Knox	Retail trade	0.0517	0.0912	0.1012	0.1114	0.1216	0.1314	0.1406	0.1491
SSP1	Knox	Transportation and warehousing	0.0416	0.0734	0.0814	0.0896	0.0978	0.1057	0.1131	0.1199
SSP2	Knox	All industry total	1.0000	1.7533	1.9190	2.0706	2.2095	2.3411	2.4655	2.5800
SSP2	Knox	Construction	0.0276	0.0484	0.0530	0.0572	0.0610	0.0647	0.0681	0.0713
SSP2	Knox	Manufacturing	0.1129	0.1979	0.2166	0.2337	0.2494	0.2642	0.2783	0.2912
SSP2	Knox	Wholesale trade	0.0473	0.0829	0.0907	0.0979	0.1045	0.1107	0.1166	0.1220
SSP2	Knox	Retail trade	0.0517	0.0907	0.0993	0.1072	0.1143	0.1212	0.1276	0.1335
SSP2	Knox	Transportation and warehousing	0.0416	0.0730	0.0799	0.0862	0.0920	0.0974	0.1026	0.1074
SSP3	Knox	All industry total	1.0000	1.7219	1.8495	1.9505	2.0318	2.0996	2.1547	2.1921
SSP3	Knox	Construction	0.0276	0.0476	0.0511	0.0539	0.0561	0.0580	0.0595	0.0606
SSP3	Knox	Manufacturing	0.1129	0.1943	0.2087	0.2202	0.2293	0.2370	0.2432	0.2474
SSP3	Knox	Wholesale trade	0.0473	0.0814	0.0875	0.0922	0.0961	0.0993	0.1019	0.1037
SSP3	Knox	Retail trade	0.0517	0.0891	0.0957	0.1009	0.1051	0.1087	0.1115	0.1134
SSP3	Knox	Transportation and warehousing	0.0416	0.0717	0.0770	0.0812	0.0846	0.0874	0.0897	0.0912
SSP4	Knox	All industry total	1.0000	1.7485	1.9321	2.1185	2.3009	2.4685	2.6202	2.7546
SSP4	Knox	Construction	0.0276	0.0483	0.0534	0.0585	0.0636	0.0682	0.0724	0.0761
SSP4	Knox	Manufacturing	0.1129	0.1973	0.2181	0.2391	0.2597	0.2786	0.2957	0.3109
SSP4	Knox	Wholesale trade	0.0473	0.0827	0.0914	0.1002	0.1088	0.1167	0.1239	0.1303
SSP4	Knox	Retail trade	0.0517	0.0905	0.1000	0.1096	0.1191	0.1277	0.1356	0.1426
SSP4	Knox	Transportation and warehousing	0.0416	0.0728	0.0804	0.0882	0.0958	0.1027	0.1091	0.1147
SSP5	Knox	All industry total	1.0000	1.7922	2.0350	2.3145	2.6213	2.9395	3.2757	3.6311
SSP5	Knox	Construction	0.0276	0.0495	0.0562	0.0639	0.0724	0.0812	0.0905	0.1003
SSP5	Knox	Manufacturing	0.1129	0.2023	0.2297	0.2612	0.2959	0.3318	0.3697	0.4098
SSP5	Knox	Wholesale trade	0.0473	0.0847	0.0962	0.1094	0.1240	0.1390	0.1549	0.1717
SSP5	Knox	Retail trade	0.0517	0.0927	0.1053	0.1198	0.1357	0.1521	0.1695	0.1879
SSP5	Knox	Transportation and warehousing	0.0416	0.0746	0.0847	0.0963	0.1091	0.1224	0.1363	0.1511
SSP1-26	Knox	All industry total	1.0000	1.7633	1.9553	2.1524	2.3499	2.5394	2.7178	2.8805
SSP1-26	Knox	Construction	0.0276	0.0487	0.0540	0.0595	0.0649	0.0702	0.0751	0.0796
SSP1-26	Knox	Manufacturing	0.1129	0.1990	0.2207	0.2429	0.2652	0.2866	0.3068	0.3251
SSP1-26	Knox	Wholesale trade	0.0473	0.0834	0.0925	0.1018	0.1111	0.1201	0.1285	0.1362
SSP1-26	Knox	Retail trade	0.0517	0.0912	0.1012	0.1114	0.1216	0.1314	0.1406	0.1491
SSP1-26	Knox	Transportation and warehousing	0.0416	0.0734	0.0814	0.0896	0.0978	0.1057	0.1131	0.1199
SSP2-26	Knox	All industry total	1.0000	1.7511	1.9142	2.0634	2.1979	2.3254	2.4441	2.5535
SSP2-26	Knox	Construction	0.0276	0.0484	0.0529	0.0570	0.0607	0.0642	0.0675	0.0706
SSP2-26	Knox	Manufacturing	0.1129	0.1976	0.2161	0.2329	0.2481	0.2625	0.2759	0.2882
SSP2-26	Knox	Wholesale trade	0.0473	0.0828	0.0905	0.0976	0.1039	0.1100	0.1156	0.1207
SSP2-26	Knox	Retail trade	0.0517	0.0906	0.0991	0.1068	0.1137	0.1203	0.1265	0.1321
SSP2-26	Knox	Transportation and warehousing	0.0416	0.0729	0.0797	0.0859	0.0915	0.0968	0.1017	0.1063
SSP3-34	Knox	All industry total	1.0000	1.7212	1.8469	1.9464	2.0053	2.0526	2.0930	2.1171
SSP3-34	Knox	Construction	0.0276	0.0476	0.0510	0.0538	0.0554	0.0567	0.0578	0.0585
SSP3-34	Knox	Manufacturing	0.1129	0.1943	0.2085	0.2197	0.2263	0.2317	0.2362	0.2390
SSP3-34	Knox	Wholesale trade	0.0473	0.0814	0.0873	0.0920	0.0948	0.0971	0.0990	0.1001
SSP3-34	Knox	Retail trade	0.0517	0.0891	0.0956	0.1007	0.1038	0.1062	0.1083	0.1096
SSP3-34	Knox	Transportation and warehousing	0.0416	0.0716	0.0769	0.0810	0.0835	0.0854	0.0871	0.0881
SSP4-26	Knox	All industry total	1.0000	1.7487	1.9339	2.1216	2.3023	2.4683	2.6196	2.7536
SSP4-26	Knox	Construction	0.0276	0.0483	0.0534	0.0586	0.0636	0.0682	0.0724	0.0761
SSP4-26	Knox	Manufacturing	0.1129	0.1974	0.2183	0.2395	0.2599	0.2786	0.2957	0.3108
SSP4-26	Knox	Wholesale trade	0.0473	0.0827	0.0914	0.1003	0.1089	0.1167	0.1239	0.1302
SSP4-26	Knox	Retail trade	0.0517	0.0905	0.1001	0.1098	0.1191	0.1277	0.1356	0.1425
SSP4-26	Knox	Transportation and warehousing	0.0416	0.0728	0.0805	0.0883	0.0958	0.1027	0.1090	0.1146
SSP5-26	Knox	All industry total	1.0000	1.7922	2.0282	2.3017	2.5855	2.8834	3.1886	3.5143
SSP5-26	Knox	Construction	0.0276	0.0495	0.0560	0.0636	0.0714	0.0797	0.0881	0.0971
SSP5-26	Knox	Manufacturing	0.1129	0.2023	0.2289	0.2598	0.2918	0.3255	0.3599	0.3967
SSP5-26	Knox	Wholesale trade	0.0473	0.0847	0.0959	0.1088	0.1223	0.1363	0.1508	0.1662
SSP5-26	Knox	Retail trade	0.0517	0.0927	0.1050	0.1191	0.1338	0.1492	0.1650	0.1819
SSP5-26	Knox	Transportation and warehousing	0.0416	0.0746	0.0844	0.0958	0.1076	0.1200	0.1327	0.1463

## Kosciusko County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Kosciusko	All industry total	1.0000	4.3286	4.7999	5.2837	5.7685	6.2337	6.6718	7.0712
SSP1	Kosciusko	Construction	0.0242	0.1048	0.1162	0.1279	0.1396	0.1509	0.1615	0.1712
SSP1	Kosciusko	Manufacturing	0.5351	2.3162	2.5684	2.8273	3.0867	3.3356	3.5700	3.7838
SSP1	Kosciusko	Wholesale trade	0.0821	0.3553	0.3939	0.4336	0.4734	0.5116	0.5476	0.5804
SSP1	Kosciusko	Retail trade	0.0435	0.1884	0.2090	0.2300	0.2511	0.2714	0.2904	0.3078
SSP1	Kosciusko	Transportation and warehousing	0.0095	0.0413	0.0458	0.0504	0.0551	0.0595	0.0637	0.0675
SSP2	Kosciusko	All industry total	1.0000	4.3041	4.7109	5.0829	5.4240	5.7471	6.0523	6.3335
SSP2	Kosciusko	Construction	0.0242	0.1042	0.1140	0.1231	0.1313	0.1391	0.1465	0.1533
SSP2	Kosciusko	Manufacturing	0.5351	2.3031	2.5207	2.7198	2.9024	3.0752	3.2385	3.3890
SSP2	Kosciusko	Wholesale trade	0.0821	0.3532	0.3866	0.4172	0.4452	0.4717	0.4967	0.5198
SSP2	Kosciusko	Retail trade	0.0435	0.1874	0.2051	0.2213	0.2361	0.2502	0.2635	0.2757
SSP2	Kosciusko	Transportation and warehousing	0.0095	0.0411	0.0450	0.0485	0.0518	0.0548	0.0578	0.0604
SSP3	Kosciusko	All industry total	1.0000	4.2269	4.5401	4.7881	4.9876	5.1540	5.2893	5.3813
SSP3	Kosciusko	Construction	0.0242	0.1023	0.1099	0.1159	0.1207	0.1248	0.1280	0.1303
SSP3	Kosciusko	Manufacturing	0.5351	2.2618	2.4294	2.5621	2.6688	2.7579	2.8303	2.8795
SSP3	Kosciusko	Wholesale trade	0.0821	0.3469	0.3726	0.3930	0.4093	0.4230	0.4341	0.4417
SSP3	Kosciusko	Retail trade	0.0435	0.1840	0.1976	0.2084	0.2171	0.2244	0.2303	0.2343
SSP3	Kosciusko	Transportation and warehousing	0.0095	0.0403	0.0433	0.0457	0.0476	0.0492	0.0505	0.0514
SSP4	Kosciusko	All industry total	1.0000	4.2922	4.7431	5.2005	5.6483	6.0597	6.4321	6.7621
SSP4	Kosciusko	Construction	0.0242	0.1039	0.1148	0.1259	0.1367	0.1467	0.1557	0.1637
SSP4	Kosciusko	Manufacturing	0.5351	2.2967	2.5380	2.7827	3.0224	3.2425	3.4418	3.6184
SSP4	Kosciusko	Wholesale trade	0.0821	0.3523	0.3893	0.4268	0.4636	0.4973	0.5279	0.5550
SSP4	Kosciusko	Retail trade	0.0435	0.1869	0.2065	0.2264	0.2459	0.2638	0.2800	0.2944
SSP4	Kosciusko	Transportation and warehousing	0.0095	0.0410	0.0453	0.0496	0.0539	0.0578	0.0614	0.0645
SSP5	Kosciusko	All industry total	1.0000	4.3995	4.9955	5.6817	6.4348	7.2160	8.0414	8.9137
SSP5	Kosciusko	Construction	0.0242	0.1065	0.1209	0.1375	0.1558	0.1747	0.1947	0.2158
SSP5	Kosciusko	Manufacturing	0.5351	2.3541	2.6730	3.0403	3.4432	3.8612	4.3029	4.7696
SSP5	Kosciusko	Wholesale trade	0.0821	0.3611	0.4100	0.4663	0.5281	0.5922	0.6600	0.7316
SSP5	Kosciusko	Retail trade	0.0435	0.1915	0.2175	0.2473	0.2801	0.3141	0.3501	0.3880
SSP5	Kosciusko	Transportation and warehousing	0.0095	0.0420	0.0477	0.0542	0.0614	0.0689	0.0767	0.0851
SSP1-26	Kosciusko	All industry total	1.0000	4.3286	4.7999	5.2837	5.7685	6.2337	6.6718	7.0712
SSP1-26	Kosciusko	Construction	0.0242	0.1048	0.1162	0.1279	0.1396	0.1509	0.1615	0.1712
SSP1-26	Kosciusko	Manufacturing	0.5351	2.3162	2.5684	2.8273	3.0867	3.3356	3.5700	3.7838
SSP1-26	Kosciusko	Wholesale trade	0.0821	0.3553	0.3939	0.4336	0.4734	0.5116	0.5476	0.5804
SSP1-26	Kosciusko	Retail trade	0.0435	0.1884	0.2090	0.2300	0.2511	0.2714	0.2904	0.3078
SSP1-26	Kosciusko	Transportation and warehousing	0.0095	0.0413	0.0458	0.0504	0.0551	0.0595	0.0637	0.0675
SSP2-26	Kosciusko	All industry total	1.0000	4.2987	4.6989	5.0653	5.3954	5.7085	5.9998	6.2685
SSP2-26	Kosciusko	Construction	0.0242	0.1041	0.1138	0.1226	0.1306	0.1382	0.1452	0.1518
SSP2-26	Kosciusko	Manufacturing	0.5351	2.3002	2.5144	2.7104	2.8870	3.0546	3.2105	3.3542
SSP2-26	Kosciusko	Wholesale trade	0.0821	0.3528	0.3857	0.4157	0.4428	0.4685	0.4924	0.5145
SSP2-26	Kosciusko	Retail trade	0.0435	0.1871	0.2046	0.2205	0.2349	0.2485	0.2612	0.2729
SSP2-26	Kosciusko	Transportation and warehousing	0.0095	0.0410	0.0448	0.0483	0.0515	0.0545	0.0573	0.0598
SSP3-34	Kosciusko	All industry total	1.0000	4.2253	4.5339	4.7780	4.9227	5.0388	5.1379	5.1970
SSP3-34	Kosciusko	Construction	0.0242	0.1023	0.1098	0.1157	0.1192	0.1220	0.1244	0.1258
SSP3-34	Kosciusko	Manufacturing	0.5351	2.2609	2.4261	2.5567	2.6341	2.6962	2.7492	2.7809
SSP3-34	Kosciusko	Wholesale trade	0.0821	0.3468	0.3721	0.3921	0.4040	0.4135	0.4217	0.4265
SSP3-34	Kosciusko	Retail trade	0.0435	0.1839	0.1974	0.2080	0.2143	0.2194	0.2237	0.2262
SSP3-34	Kosciusko	Transportation and warehousing	0.0095	0.0403	0.0433	0.0456	0.0470	0.0481	0.0490	0.0496
SSP4-26	Kosciusko	All industry total	1.0000	4.2927	4.7473	5.2081	5.6518	6.0592	6.4306	6.7595
SSP4-26	Kosciusko	Construction	0.0242	0.1039	0.1149	0.1261	0.1368	0.1467	0.1557	0.1636
SSP4-26	Kosciusko	Manufacturing	0.5351	2.2970	2.5402	2.7868	3.0242	3.2422	3.4409	3.6170
SSP4-26	Kosciusko	Wholesale trade	0.0821	0.3523	0.3896	0.4274	0.4639	0.4973	0.5278	0.5548
SSP4-26	Kosciusko	Retail trade	0.0435	0.1869	0.2067	0.2267	0.2460	0.2638	0.2799	0.2943
SSP4-26	Kosciusko	Transportation and warehousing	0.0095	0.0410	0.0453	0.0497	0.0539	0.0578	0.0614	0.0645
SSP5-26	Kosciusko	All industry total	1.0000	4.3995	4.9788	5.6502	6.3470	7.0784	7.8275	8.6270
SSP5-26	Kosciusko	Construction	0.0242	0.1065	0.1205	0.1368	0.1537	0.1714	0.1895	0.2088
SSP5-26	Kosciusko	Manufacturing	0.5351	2.3541	2.6641	3.0234	3.3962	3.7876	4.1884	4.6162
SSP5-26	Kosciusko	Wholesale trade	0.0821	0.3611	0.4086	0.4637	0.5209	0.5809	0.6424	0.7080
SSP5-26	Kosciusko	Retail trade	0.0435	0.1915	0.2167	0.2460	0.2763	0.3081	0.3408	0.3756
SSP5-26	Kosciusko	Transportation and warehousing	0.0095	0.0420	0.0475	0.0539	0.0606	0.0676	0.0747	0.0823

## Lagrange County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Lagrange	All industry total	1.0000	1.2976	1.4389	1.5839	1.7293	1.8687	2.0001	2.1198
SSP1	Lagrange	Construction	0.0429	0.0557	0.0618	0.0680	0.0742	0.0802	0.0858	0.0910
SSP1	Lagrange	Manufacturing	0.4127	0.5355	0.5938	0.6536	0.7136	0.7711	0.8253	0.8747
SSP1	Lagrange	Wholesale trade	0.0442	0.0573	0.0635	0.0699	0.0764	0.0825	0.0883	0.0936
SSP1	Lagrange	Retail trade	0.0627	0.0814	0.0902	0.0993	0.1084	0.1172	0.1254	0.1329
SSP1	Lagrange	Transportation and warehousing	0.0241	0.0313	0.0347	0.0382	0.0417	0.0451	0.0483	0.0512
SSP2	Lagrange	All industry total	1.0000	1.2903	1.4122	1.5238	1.6260	1.7229	1.8143	1.8986
SSP2	Lagrange	Construction	0.0429	0.0554	0.0606	0.0654	0.0698	0.0740	0.0779	0.0815
SSP2	Lagrange	Manufacturing	0.4127	0.5324	0.5828	0.6288	0.6710	0.7109	0.7487	0.7835
SSP2	Lagrange	Wholesale trade	0.0442	0.0570	0.0624	0.0673	0.0718	0.0761	0.0801	0.0838
SSP2	Lagrange	Retail trade	0.0627	0.0809	0.0885	0.0955	0.1019	0.1080	0.1137	0.1190
SSP2	Lagrange	Transportation and warehousing	0.0241	0.0311	0.0341	0.0368	0.0393	0.0416	0.0438	0.0458
SSP3	Lagrange	All industry total	1.0000	1.2671	1.3610	1.4354	1.4952	1.5451	1.5856	1.6132
SSP3	Lagrange	Construction	0.0429	0.0544	0.0584	0.0616	0.0642	0.0663	0.0681	0.0692
SSP3	Lagrange	Manufacturing	0.4127	0.5229	0.5616	0.5923	0.6170	0.6376	0.6543	0.6657
SSP3	Lagrange	Wholesale trade	0.0442	0.0560	0.0601	0.0634	0.0660	0.0682	0.0700	0.0712
SSP3	Lagrange	Retail trade	0.0627	0.0794	0.0853	0.0900	0.0937	0.0969	0.0994	0.1011
SSP3	Lagrange	Transportation and warehousing	0.0241	0.0306	0.0329	0.0347	0.0361	0.0373	0.0383	0.0389
SSP4	Lagrange	All industry total	1.0000	1.2867	1.4219	1.5590	1.6932	1.8166	1.9282	2.0271
SSP4	Lagrange	Construction	0.0429	0.0552	0.0610	0.0669	0.0727	0.0780	0.0828	0.0870
SSP4	Lagrange	Manufacturing	0.4127	0.5310	0.5867	0.6433	0.6987	0.7496	0.7957	0.8365
SSP4	Lagrange	Wholesale trade	0.0442	0.0568	0.0628	0.0688	0.0748	0.0802	0.0852	0.0895
SSP4	Lagrange	Retail trade	0.0627	0.0807	0.0891	0.0977	0.1062	0.1139	0.1209	0.1271
SSP4	Lagrange	Transportation and warehousing	0.0241	0.0311	0.0343	0.0376	0.0409	0.0439	0.0465	0.0489
SSP5	Lagrange	All industry total	1.0000	1.3189	1.4975	1.7033	1.9290	2.1632	2.4106	2.6721
SSP5	Lagrange	Construction	0.0429	0.0566	0.0643	0.0731	0.0828	0.0929	0.1035	0.1147
SSP5	Lagrange	Manufacturing	0.4127	0.5442	0.6180	0.7029	0.7960	0.8927	0.9948	1.1027
SSP5	Lagrange	Wholesale trade	0.0442	0.0582	0.0661	0.0752	0.0852	0.0955	0.1065	0.1180
SSP5	Lagrange	Retail trade	0.0627	0.0827	0.0939	0.1068	0.1209	0.1356	0.1511	0.1675
SSP5	Lagrange	Transportation and warehousing	0.0241	0.0318	0.0362	0.0411	0.0466	0.0522	0.0582	0.0645
SSP1-26	Lagrange	All industry total	1.0000	1.2976	1.4389	1.5839	1.7293	1.8687	2.0001	2.1198
SSP1-26	Lagrange	Construction	0.0429	0.0557	0.0618	0.0680	0.0742	0.0802	0.0858	0.0910
SSP1-26	Lagrange	Manufacturing	0.4127	0.5355	0.5938	0.6536	0.7136	0.7711	0.8253	0.8747
SSP1-26	Lagrange	Wholesale trade	0.0442	0.0573	0.0635	0.0699	0.0764	0.0825	0.0883	0.0936
SSP1-26	Lagrange	Retail trade	0.0627	0.0814	0.0902	0.0993	0.1084	0.1172	0.1254	0.1329
SSP1-26	Lagrange	Transportation and warehousing	0.0241	0.0313	0.0347	0.0382	0.0417	0.0451	0.0483	0.0512
SSP2-26	Lagrange	All industry total	1.0000	1.2887	1.4086	1.5185	1.6174	1.7113	1.7986	1.8792
SSP2-26	Lagrange	Construction	0.0429	0.0553	0.0605	0.0652	0.0694	0.0735	0.0772	0.0807
SSP2-26	Lagrange	Manufacturing	0.4127	0.5318	0.5813	0.6266	0.6674	0.7062	0.7422	0.7755
SSP2-26	Lagrange	Wholesale trade	0.0442	0.0569	0.0622	0.0671	0.0714	0.0756	0.0794	0.0830
SSP2-26	Lagrange	Retail trade	0.0627	0.0808	0.0883	0.0952	0.1014	0.1073	0.1128	0.1178
SSP2-26	Lagrange	Transportation and warehousing	0.0241	0.0311	0.0340	0.0367	0.0390	0.0413	0.0434	0.0454
SSP3-34	Lagrange	All industry total	1.0000	1.2666	1.3592	1.4323	1.4757	1.5105	1.5402	1.5580
SSP3-34	Lagrange	Construction	0.0429	0.0544	0.0583	0.0615	0.0633	0.0648	0.0661	0.0669
SSP3-34	Lagrange	Manufacturing	0.4127	0.5227	0.5609	0.5911	0.6090	0.6233	0.6356	0.6429
SSP3-34	Lagrange	Wholesale trade	0.0442	0.0559	0.0600	0.0633	0.0652	0.0667	0.0680	0.0688
SSP3-34	Lagrange	Retail trade	0.0627	0.0794	0.0852	0.0898	0.0925	0.0947	0.0966	0.0977
SSP3-34	Lagrange	Transportation and warehousing	0.0241	0.0306	0.0328	0.0346	0.0356	0.0365	0.0372	0.0376
SSP4-26	Lagrange	All industry total	1.0000	1.2869	1.4231	1.5613	1.6943	1.8164	1.9277	2.0264
SSP4-26	Lagrange	Construction	0.0429	0.0552	0.0611	0.0670	0.0727	0.0780	0.0827	0.0870
SSP4-26	Lagrange	Manufacturing	0.4127	0.5310	0.5873	0.6443	0.6992	0.7496	0.7955	0.8362
SSP4-26	Lagrange	Wholesale trade	0.0442	0.0568	0.0628	0.0689	0.0748	0.0802	0.0851	0.0895
SSP4-26	Lagrange	Retail trade	0.0627	0.0807	0.0892	0.0979	0.1062	0.1139	0.1209	0.1270
SSP4-26	Lagrange	Transportation and warehousing	0.0241	0.0311	0.0344	0.0377	0.0409	0.0439	0.0465	0.0489
SSP5-26	Lagrange	All industry total	1.0000	1.3189	1.4925	1.6938	1.9027	2.1219	2.3465	2.5862
SSP5-26	Lagrange	Construction	0.0429	0.0566	0.0641	0.0727	0.0817	0.0911	0.1007	0.1110
SSP5-26	Lagrange	Manufacturing	0.4127	0.5442	0.6159	0.6990	0.7852	0.8756	0.9683	1.0672
SSP5-26	Lagrange	Wholesale trade	0.0442	0.0582	0.0659	0.0748	0.0840	0.0937	0.1036	0.1142
SSP5-26	Lagrange	Retail trade	0.0627	0.0827	0.0936	0.1062	0.1193	0.1330	0.1471	0.1621
SSP5-26	Lagrange	Transportation and warehousing	0.0241	0.0318	0.0360	0.0409	0.0459	0.0512	0.0566	0.0624

## Lawrence County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Lawrence	All industry total	1.0000	1.2242	1.3575	1.4944	1.6315	1.7630	1.8869	1.9999
SSP1	Lawrence	Construction	0.0374	0.0457	0.0507	0.0558	0.0609	0.0659	0.0705	0.0747
SSP1	Lawrence	Manufacturing	0.3366	0.4120	0.4569	0.5029	0.5491	0.5934	0.6351	0.6731
SSP1	Lawrence	Wholesale trade	0.0207	0.0253	0.0281	0.0309	0.0338	0.0365	0.0391	0.0414
SSP1	Lawrence	Retail trade	0.0727	0.0890	0.0987	0.1086	0.1186	0.1281	0.1371	0.1454
SSP1	Lawrence	Transportation and warehousing	0.0202	0.0247	0.0274	0.0302	0.0329	0.0356	0.0381	0.0404
SSP2	Lawrence	All industry total	1.0000	1.2173	1.3323	1.4376	1.5340	1.6254	1.7117	1.7913
SSP2	Lawrence	Construction	0.0374	0.0455	0.0498	0.0537	0.0573	0.0607	0.0639	0.0669
SSP2	Lawrence	Manufacturing	0.3366	0.4097	0.4484	0.4838	0.5163	0.5470	0.5761	0.6028
SSP2	Lawrence	Wholesale trade	0.0207	0.0252	0.0276	0.0298	0.0318	0.0336	0.0354	0.0371
SSP2	Lawrence	Retail trade	0.0727	0.0885	0.0968	0.1045	0.1115	0.1181	0.1244	0.1302
SSP2	Lawrence	Transportation and warehousing	0.0202	0.0246	0.0269	0.0290	0.0310	0.0328	0.0346	0.0362
SSP3	Lawrence	All industry total	1.0000	1.1955	1.2840	1.3542	1.4106	1.4577	1.4959	1.5219
SSP3	Lawrence	Construction	0.0374	0.0447	0.0480	0.0506	0.0527	0.0545	0.0559	0.0569
SSP3	Lawrence	Manufacturing	0.3366	0.4023	0.4321	0.4558	0.4747	0.4906	0.5035	0.5122
SSP3	Lawrence	Wholesale trade	0.0207	0.0247	0.0266	0.0280	0.0292	0.0302	0.0310	0.0315
SSP3	Lawrence	Retail trade	0.0727	0.0869	0.0933	0.0984	0.1025	0.1059	0.1087	0.1106
SSP3	Lawrence	Transportation and warehousing	0.0202	0.0241	0.0259	0.0273	0.0285	0.0294	0.0302	0.0307
SSP4	Lawrence	All industry total	1.0000	1.2139	1.3414	1.4708	1.5975	1.7138	1.8191	1.9125
SSP4	Lawrence	Construction	0.0374	0.0453	0.0501	0.0549	0.0597	0.0640	0.0680	0.0714
SSP4	Lawrence	Manufacturing	0.3366	0.4085	0.4515	0.4950	0.5376	0.5768	0.6122	0.6436
SSP4	Lawrence	Wholesale trade	0.0207	0.0251	0.0278	0.0304	0.0331	0.0355	0.0377	0.0396
SSP4	Lawrence	Retail trade	0.0727	0.0882	0.0975	0.1069	0.1161	0.1246	0.1322	0.1390
SSP4	Lawrence	Transportation and warehousing	0.0202	0.0245	0.0271	0.0297	0.0323	0.0346	0.0367	0.0386
SSP5	Lawrence	All industry total	1.0000	1.2443	1.4128	1.6069	1.8199	2.0409	2.2743	2.5210
SSP5	Lawrence	Construction	0.0374	0.0465	0.0528	0.0600	0.0680	0.0762	0.0850	0.0942
SSP5	Lawrence	Manufacturing	0.3366	0.4188	0.4755	0.5408	0.6125	0.6869	0.7654	0.8484
SSP5	Lawrence	Wholesale trade	0.0207	0.0258	0.0292	0.0333	0.0377	0.0422	0.0471	0.0522
SSP5	Lawrence	Retail trade	0.0727	0.0904	0.1027	0.1168	0.1323	0.1483	0.1653	0.1832
SSP5	Lawrence	Transportation and warehousing	0.0202	0.0251	0.0285	0.0324	0.0367	0.0412	0.0459	0.0509
SSP1-26	Lawrence	All industry total	1.0000	1.2242	1.3575	1.4944	1.6315	1.7630	1.8869	1.9999
SSP1-26	Lawrence	Construction	0.0374	0.0457	0.0507	0.0558	0.0609	0.0659	0.0705	0.0747
SSP1-26	Lawrence	Manufacturing	0.3366	0.4120	0.4569	0.5029	0.5491	0.5934	0.6351	0.6731
SSP1-26	Lawrence	Wholesale trade	0.0207	0.0253	0.0281	0.0309	0.0338	0.0365	0.0391	0.0414
SSP1-26	Lawrence	Retail trade	0.0727	0.0890	0.0987	0.1086	0.1186	0.1281	0.1371	0.1454
SSP1-26	Lawrence	Transportation and warehousing	0.0202	0.0247	0.0274	0.0302	0.0329	0.0356	0.0381	0.0404
SSP2-26	Lawrence	All industry total	1.0000	1.2158	1.3290	1.4326	1.5259	1.6145	1.6969	1.7729
SSP2-26	Lawrence	Construction	0.0374	0.0454	0.0496	0.0535	0.0570	0.0603	0.0634	0.0662
SSP2-26	Lawrence	Manufacturing	0.3366	0.4092	0.4473	0.4821	0.5136	0.5434	0.5711	0.5967
SSP2-26	Lawrence	Wholesale trade	0.0207	0.0252	0.0275	0.0297	0.0316	0.0334	0.0351	0.0367
SSP2-26	Lawrence	Retail trade	0.0727	0.0884	0.0966	0.1041	0.1109	0.1173	0.1233	0.1289
SSP2-26	Lawrence	Transportation and warehousing	0.0202	0.0245	0.0268	0.0289	0.0308	0.0326	0.0343	0.0358
SSP3-34	Lawrence	All industry total	1.0000	1.1950	1.2823	1.3513	1.3923	1.4251	1.4531	1.4698
SSP3-34	Lawrence	Construction	0.0374	0.0446	0.0479	0.0505	0.0520	0.0532	0.0543	0.0549
SSP3-34	Lawrence	Manufacturing	0.3366	0.4022	0.4316	0.4548	0.4686	0.4796	0.4890	0.4947
SSP3-34	Lawrence	Wholesale trade	0.0207	0.0247	0.0265	0.0280	0.0288	0.0295	0.0301	0.0304
SSP3-34	Lawrence	Retail trade	0.0727	0.0869	0.0932	0.0982	0.1012	0.1036	0.1056	0.1068
SSP3-34	Lawrence	Transportation and warehousing	0.0202	0.0241	0.0259	0.0273	0.0281	0.0288	0.0293	0.0297
SSP4-26	Lawrence	All industry total	1.0000	1.2141	1.3426	1.4730	1.5984	1.7137	1.8187	1.9118
SSP4-26	Lawrence	Construction	0.0374	0.0454	0.0502	0.0550	0.0597	0.0640	0.0679	0.0714
SSP4-26	Lawrence	Manufacturing	0.3366	0.4086	0.4519	0.4957	0.5380	0.5767	0.6121	0.6434
SSP4-26	Lawrence	Wholesale trade	0.0207	0.0251	0.0278	0.0305	0.0331	0.0355	0.0377	0.0396
SSP4-26	Lawrence	Retail trade	0.0727	0.0882	0.0976	0.1071	0.1162	0.1246	0.1322	0.1389
SSP4-26	Lawrence	Transportation and warehousing	0.0202	0.0245	0.0271	0.0297	0.0323	0.0346	0.0367	0.0386
SSP5-26	Lawrence	All industry total	1.0000	1.2443	1.4081	1.5980	1.7951	2.0019	2.2138	2.4399
SSP5-26	Lawrence	Construction	0.0374	0.0465	0.0526	0.0597	0.0671	0.0748	0.0827	0.0911
SSP5-26	Lawrence	Manufacturing	0.3366	0.4188	0.4739	0.5378	0.6041	0.6737	0.7451	0.8211
SSP5-26	Lawrence	Wholesale trade	0.0207	0.0258	0.0292	0.0333	0.0377	0.0414	0.0458	0.0505
SSP5-26	Lawrence	Retail trade	0.0727	0.0904	0.1023	0.1161	0.1305	0.1455	0.1609	0.1773
SSP5-26	Lawrence	Transportation and warehousing	0.0202	0.0251	0.0284	0.0323	0.0362	0.0404	0.0447	0.0493



# Marion County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Marion	All industry total	1.0000	81.6252	90.5123	99.6366	108.7781	117.5513	125.8130	133.3441
SSP1	Marion	Construction	0.0300	2.4515	2.7184	2.9925	3.2670	3.5305	3.7786	4.0048
SSP1	Marion	Manufacturing	0.2504	20.4424	22.6681	24.9532	27.2426	29.4398	31.5089	33.3950
SSP1	Marion	Wholesale trade	0.0571	4.6587	5.1659	5.6867	6.2084	6.7091	7.1807	7.6105
SSP1	Marion	Retail trade	0.0425	3.4715	3.8495	4.2375	4.6263	4.9995	5.3508	5.6711
SSP1	Marion	Transportation and warehousing	0.0354	2.8915	3.2063	3.5295	3.8534	4.1642	4.4568	4.7236
SSP2	Marion	All industry total	1.0000	81.1639	88.8342	95.8504	102.2829	108.3753	114.1294	119.4330
SSP2	Marion	Construction	0.0300	2.4377	2.6680	2.8788	3.0719	3.2549	3.4277	3.5870
SSP2	Marion	Manufacturing	0.2504	20.3269	22.2478	24.0050	25.6160	27.1417	28.5828	29.9111
SSP2	Marion	Wholesale trade	0.0571	4.6324	5.0701	5.4706	5.8377	6.1854	6.5138	6.8165
SSP2	Marion	Retail trade	0.0425	3.4519	3.7781	4.0765	4.3501	4.6092	4.8539	5.0795
SSP2	Marion	Transportation and warehousing	0.0354	2.8752	3.1469	3.3954	3.6233	3.8391	4.0429	4.2308
SSP3	Marion	All industry total	1.0000	79.7074	85.6142	90.2914	94.0535	97.1915	99.7424	101.4760
SSP3	Marion	Construction	0.0300	2.3939	2.5713	2.7118	2.8248	2.9190	2.9956	3.0477
SSP3	Marion	Manufacturing	0.2504	19.9621	21.4414	22.6128	23.5550	24.3409	24.9797	25.4139
SSP3	Marion	Wholesale trade	0.0571	4.5492	4.8863	5.1533	5.3680	5.5471	5.6927	5.7916
SSP3	Marion	Retail trade	0.0425	3.3900	3.6412	3.8401	4.0001	4.1336	4.2421	4.3158
SSP3	Marion	Transportation and warehousing	0.0354	2.8236	3.0328	3.1985	3.3318	3.4429	3.5333	3.5947
SSP4	Marion	All industry total	1.0000	80.9395	89.4413	98.0674	106.5123	114.2692	121.2925	127.5159
SSP4	Marion	Construction	0.0300	2.4309	2.6863	2.9453	3.1990	3.4319	3.6429	3.8298
SSP4	Marion	Manufacturing	0.2504	20.2707	22.3999	24.5602	26.6752	28.6178	30.3768	31.9354
SSP4	Marion	Wholesale trade	0.0571	4.6195	5.1048	5.5971	6.0791	6.5218	6.9227	7.2778
SSP4	Marion	Retail trade	0.0425	3.4424	3.8039	4.1708	4.5300	4.8599	5.1586	5.4233
SSP4	Marion	Transportation and warehousing	0.0354	2.8672	3.1684	3.4740	3.7731	4.0479	4.2967	4.5171
SSP5	Marion	All industry total	1.0000	82.9622	94.2013	107.1425	121.3434	136.0749	151.6392	168.0879
SSP5	Marion	Construction	0.0300	2.4917	2.8292	3.2179	3.6444	4.0869	4.5543	5.0483
SSP5	Marion	Manufacturing	0.2504	20.7772	23.5920	26.8330	30.3895	34.0789	37.9769	42.0963
SSP5	Marion	Wholesale trade	0.0571	4.7350	5.3764	6.1151	6.9256	7.7663	8.6547	9.5935
SSP5	Marion	Retail trade	0.0425	3.5284	4.0064	4.5568	5.1607	5.7873	6.4492	7.1488
SSP5	Marion	Transportation and warehousing	0.0354	2.9389	3.3370	3.7954	4.2985	4.8203	5.3717	5.9544
SSP1-26	Marion	All industry total	1.0000	81.6252	90.5123	99.6366	108.7781	117.5513	125.8130	133.3441
SSP1-26	Marion	Construction	0.0300	2.4515	2.7184	2.9925	3.2670	3.5305	3.7786	4.0048
SSP1-26	Marion	Manufacturing	0.2504	20.4424	22.6681	24.9532	27.2426	29.4398	31.5089	33.3950
SSP1-26	Marion	Wholesale trade	0.0571	4.6587	5.1659	5.6867	6.2084	6.7091	7.1807	7.6105
SSP1-26	Marion	Retail trade	0.0425	3.4715	3.8495	4.2375	4.6263	4.9995	5.3508	5.6711
SSP1-26	Marion	Transportation and warehousing	0.0354	2.8915	3.2063	3.5295	3.8534	4.1642	4.4568	4.7236
SSP2-26	Marion	All industry total	1.0000	81.0616	88.6096	95.5183	101.7428	107.6472	113.1404	118.2075
SSP2-26	Marion	Construction	0.0300	2.4346	2.6613	2.8688	3.0557	3.2331	3.3980	3.5502
SSP2-26	Marion	Manufacturing	0.2504	20.3012	22.1916	23.9218	25.4807	26.9594	28.3351	29.6042
SSP2-26	Marion	Wholesale trade	0.0571	4.6265	5.0573	5.4516	5.8069	6.1439	6.4574	6.7466
SSP2-26	Marion	Retail trade	0.0425	3.4476	3.7686	4.0624	4.3271	4.5782	4.8119	5.0274
SSP2-26	Marion	Transportation and warehousing	0.0354	2.8715	3.1389	3.3837	3.6042	3.8133	4.0079	4.1874
SSP3-34	Marion	All industry total	1.0000	79.6773	85.4977	90.1001	92.8291	95.0183	96.8863	98.0023
SSP3-34	Marion	Construction	0.0300	2.3930	2.5678	2.7061	2.7880	2.8538	2.9099	2.9434
SSP3-34	Marion	Manufacturing	0.2504	19.9546	21.4122	22.5649	23.2483	23.7966	24.2644	24.5439
SSP3-34	Marion	Wholesale trade	0.0571	4.5475	4.8797	5.1424	5.2981	5.4231	5.5297	5.5934
SSP3-34	Marion	Retail trade	0.0425	3.3887	3.6362	3.8320	3.9480	4.0411	4.1206	4.1680
SSP3-34	Marion	Transportation and warehousing	0.0354	2.8225	3.0287	3.1917	3.2884	3.3659	3.4321	3.4717
SSP4-26	Marion	All industry total	1.0000	80.9494	89.5210	98.2108	106.5771	114.2609	121.2633	127.4669
SSP4-26	Marion	Construction	0.0300	2.4312	2.6887	2.9496	3.2009	3.4317	3.6420	3.8283
SSP4-26	Marion	Manufacturing	0.2504	20.2731	22.4198	24.5961	26.6914	28.6158	30.3694	31.9231
SSP4-26	Marion	Wholesale trade	0.0571	4.6201	5.1093	5.6053	6.0828	6.5213	6.9210	7.2751
SSP4-26	Marion	Retail trade	0.0425	3.4428	3.8073	4.1769	4.5327	4.8595	5.1573	5.4212
SSP4-26	Marion	Transportation and warehousing	0.0354	2.8676	3.1712	3.4790	3.7754	4.0476	4.2957	4.5154
SSP5-26	Marion	All industry total	1.0000	82.9622	93.8864	106.5482	119.6869	133.4789	147.6057	162.6813
SSP5-26	Marion	Construction	0.0300	2.4917	2.8198	3.2001	3.5947	4.0089	4.4332	4.8859
SSP5-26	Marion	Manufacturing	0.2504	20.7772	23.5131	26.6842	29.9747	33.4288	36.9667	40.7423
SSP5-26	Marion	Wholesale trade	0.0571	4.7350	5.3585	6.0811	6.8310	7.6182	8.4244	9.2849
SSP5-26	Marion	Retail trade	0.0425	3.5284	3.9930	4.5315	5.0903	5.6769	6.2777	6.9188
SSP5-26	Marion	Transportation and warehousing	0.0354	2.9389	3.3258	3.7744	4.2398	4.7284	5.2288	5.7628

## Miami County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Miami	All industry total	1.0000	0.8120	0.9004	0.9912	1.0821	1.1694	1.2516	1.3265
SSP1	Miami	Construction	0.0413	0.0335	0.0372	0.0409	0.0447	0.0483	0.0517	0.0548
SSP1	Miami	Manufacturing	0.1724	0.1400	0.1552	0.1709	0.1866	0.2016	0.2158	0.2287
SSP1	Miami	Wholesale trade	0.0343	0.0278	0.0308	0.0340	0.0371	0.0401	0.0429	0.0454
SSP1	Miami	Retail trade	0.0547	0.0445	0.0493	0.0543	0.0592	0.0640	0.0685	0.0726
SSP1	Miami	Transportation and warehousing	0.0687	0.0558	0.0618	0.0681	0.0743	0.0803	0.0859	0.0911
SSP2	Miami	All industry total	1.0000	0.8074	0.8837	0.9535	1.0175	1.0781	1.1353	1.1881
SSP2	Miami	Construction	0.0413	0.0334	0.0365	0.0394	0.0420	0.0445	0.0469	0.0491
SSP2	Miami	Manufacturing	0.1724	0.1392	0.1524	0.1644	0.1754	0.1859	0.1957	0.2048
SSP2	Miami	Wholesale trade	0.0343	0.0277	0.0303	0.0327	0.0349	0.0369	0.0389	0.0407
SSP2	Miami	Retail trade	0.0547	0.0442	0.0484	0.0522	0.0557	0.0590	0.0622	0.0650
SSP2	Miami	Transportation and warehousing	0.0687	0.0554	0.0607	0.0655	0.0699	0.0740	0.0780	0.0816
SSP3	Miami	All industry total	1.0000	0.7929	0.8517	0.8982	0.9356	0.9668	0.9922	1.0095
SSP3	Miami	Construction	0.0413	0.0328	0.0352	0.0371	0.0386	0.0399	0.0410	0.0417
SSP3	Miami	Manufacturing	0.1724	0.1367	0.1468	0.1549	0.1613	0.1667	0.1711	0.1740
SSP3	Miami	Wholesale trade	0.0343	0.0272	0.0292	0.0308	0.0321	0.0331	0.0340	0.0346
SSP3	Miami	Retail trade	0.0547	0.0434	0.0466	0.0492	0.0512	0.0529	0.0543	0.0553
SSP3	Miami	Transportation and warehousing	0.0687	0.0545	0.0585	0.0617	0.0643	0.0664	0.0681	0.0693
SSP4	Miami	All industry total	1.0000	0.8052	0.8897	0.9756	1.0596	1.1367	1.2066	1.2685
SSP4	Miami	Construction	0.0413	0.0333	0.0368	0.0403	0.0438	0.0470	0.0498	0.0524
SSP4	Miami	Manufacturing	0.1724	0.1388	0.1534	0.1682	0.1827	0.1960	0.2080	0.2187
SSP4	Miami	Wholesale trade	0.0343	0.0276	0.0305	0.0334	0.0363	0.0389	0.0413	0.0435
SSP4	Miami	Retail trade	0.0547	0.0441	0.0487	0.0534	0.0580	0.0622	0.0661	0.0694
SSP4	Miami	Transportation and warehousing	0.0687	0.0553	0.0611	0.0670	0.0728	0.0781	0.0829	0.0871
SSP5	Miami	All industry total	1.0000	0.8253	0.9371	1.0658	1.2071	1.3536	1.5085	1.6721
SSP5	Miami	Construction	0.0413	0.0341	0.0387	0.0440	0.0499	0.0559	0.0623	0.0691
SSP5	Miami	Manufacturing	0.1724	0.1423	0.1616	0.1838	0.2081	0.2334	0.2601	0.2883
SSP5	Miami	Wholesale trade	0.0343	0.0283	0.0321	0.0365	0.0414	0.0464	0.0517	0.0573
SSP5	Miami	Retail trade	0.0547	0.0452	0.0513	0.0583	0.0661	0.0741	0.0826	0.0915
SSP5	Miami	Transportation and warehousing	0.0687	0.0567	0.0644	0.0732	0.0829	0.0930	0.1036	0.1148
SSP1-26	Miami	All industry total	1.0000	0.8120	0.9004	0.9912	1.0821	1.1694	1.2516	1.3265
SSP1-26	Miami	Construction	0.0413	0.0335	0.0372	0.0409	0.0447	0.0483	0.0517	0.0548
SSP1-26	Miami	Manufacturing	0.1724	0.1400	0.1552	0.1709	0.1866	0.2016	0.2158	0.2287
SSP1-26	Miami	Wholesale trade	0.0343	0.0278	0.0308	0.0340	0.0371	0.0401	0.0429	0.0454
SSP1-26	Miami	Retail trade	0.0547	0.0445	0.0493	0.0543	0.0592	0.0640	0.0685	0.0726
SSP1-26	Miami	Transportation and warehousing	0.0687	0.0558	0.0618	0.0681	0.0743	0.0803	0.0859	0.0911
SSP2-26	Miami	All industry total	1.0000	0.8064	0.8815	0.9502	1.0121	1.0709	1.1255	1.1759
SSP2-26	Miami	Construction	0.0413	0.0333	0.0364	0.0392	0.0418	0.0442	0.0465	0.0486
SSP2-26	Miami	Manufacturing	0.1724	0.1390	0.1520	0.1638	0.1745	0.1846	0.1940	0.2027
SSP2-26	Miami	Wholesale trade	0.0343	0.0276	0.0302	0.0326	0.0347	0.0367	0.0386	0.0403
SSP2-26	Miami	Retail trade	0.0547	0.0441	0.0483	0.0520	0.0554	0.0586	0.0616	0.0644
SSP2-26	Miami	Transportation and warehousing	0.0687	0.0554	0.0605	0.0653	0.0695	0.0735	0.0773	0.0808
SSP3-34	Miami	All industry total	1.0000	0.7926	0.8505	0.8963	0.9234	0.9452	0.9638	0.9749
SSP3-34	Miami	Construction	0.0413	0.0327	0.0351	0.0370	0.0381	0.0390	0.0398	0.0403
SSP3-34	Miami	Manufacturing	0.1724	0.1366	0.1466	0.1545	0.1592	0.1630	0.1662	0.1681
SSP3-34	Miami	Wholesale trade	0.0343	0.0272	0.0291	0.0307	0.0316	0.0324	0.0330	0.0334
SSP3-34	Miami	Retail trade	0.0547	0.0434	0.0466	0.0491	0.0506	0.0517	0.0528	0.0534
SSP3-34	Miami	Transportation and warehousing	0.0687	0.0544	0.0584	0.0616	0.0634	0.0649	0.0662	0.0669
SSP4-26	Miami	All industry total	1.0000	0.8053	0.8905	0.9770	1.0602	1.1366	1.2063	1.2680
SSP4-26	Miami	Construction	0.0413	0.0333	0.0368	0.0404	0.0438	0.0469	0.0498	0.0524
SSP4-26	Miami	Manufacturing	0.1724	0.1388	0.1535	0.1684	0.1828	0.1960	0.2080	0.2186
SSP4-26	Miami	Wholesale trade	0.0343	0.0276	0.0305	0.0335	0.0363	0.0389	0.0413	0.0434
SSP4-26	Miami	Retail trade	0.0547	0.0441	0.0488	0.0535	0.0580	0.0622	0.0660	0.0694
SSP4-26	Miami	Transportation and warehousing	0.0687	0.0553	0.0612	0.0671	0.0728	0.0781	0.0828	0.0871
SSP5-26	Miami	All industry total	1.0000	0.8253	0.9340	1.0599	1.1906	1.3278	1.4683	1.6183
SSP5-26	Miami	Construction	0.0413	0.0341	0.0386	0.0438	0.0492	0.0548	0.0607	0.0668
SSP5-26	Miami	Manufacturing	0.1724	0.1423	0.1610	0.1827	0.2053	0.2289	0.2531	0.2790
SSP5-26	Miami	Wholesale trade	0.0343	0.0283	0.0320	0.0363	0.0408	0.0455	0.0503	0.0554
SSP5-26	Miami	Retail trade	0.0547	0.0452	0.0511	0.0580	0.0652	0.0727	0.0804	0.0886
SSP5-26	Miami	Transportation and warehousing	0.0687	0.0567	0.0641	0.0728	0.0818	0.0912	0.1008	0.1111

# Monroe County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Monroe	All industry total	1.0000	5.8065	6.4386	7.0877	7.7380	8.3621	8.9498	9.4855
SSP1	Monroe	Construction	0.0324	0.1881	0.2086	0.2296	0.2507	0.2709	0.2899	0.3073
SSP1	Monroe	Manufacturing	0.1660	0.9639	1.0688	1.1766	1.2845	1.3881	1.4857	1.5746
SSP1	Monroe	Wholesale trade	0.0361	0.2095	0.2324	0.2558	0.2792	0.3018	0.3230	0.3423
SSP1	Monroe	Retail trade	0.0552	0.3204	0.3553	0.3911	0.4269	0.4614	0.4938	0.5234
SSP1	Monroe	Transportation and warehousing	0.0099	0.0574	0.0636	0.0700	0.0764	0.0826	0.0884	0.0937
SSP2	Monroe	All industry total	1.0000	5.7736	6.3193	6.8184	7.2760	7.7093	8.1187	8.4959
SSP2	Monroe	Construction	0.0324	0.1870	0.2047	0.2209	0.2357	0.2498	0.2630	0.2752
SSP2	Monroe	Manufacturing	0.1660	0.9584	1.0490	1.1319	1.2078	1.2798	1.3477	1.4104
SSP2	Monroe	Wholesale trade	0.0361	0.2084	0.2280	0.2461	0.2626	0.2782	0.2930	0.3066
SSP2	Monroe	Retail trade	0.0552	0.3186	0.3487	0.3762	0.4015	0.4254	0.4480	0.4688
SSP2	Monroe	Transportation and warehousing	0.0099	0.0570	0.0624	0.0673	0.0719	0.0761	0.0802	0.0839
SSP3	Monroe	All industry total	1.0000	5.6700	6.0902	6.4229	6.6905	6.9138	7.0952	7.2185
SSP3	Monroe	Construction	0.0324	0.1837	0.1973	0.2081	0.2168	0.2240	0.2299	0.2339
SSP3	Monroe	Manufacturing	0.1660	0.9412	1.0110	1.0662	1.1107	1.1477	1.1778	1.1983
SSP3	Monroe	Wholesale trade	0.0361	0.2046	0.2198	0.2318	0.2414	0.2495	0.2560	0.2605
SSP3	Monroe	Retail trade	0.0552	0.3128	0.3360	0.3544	0.3692	0.3815	0.3915	0.3983
SSP3	Monroe	Transportation and warehousing	0.0099	0.0560	0.0602	0.0634	0.0661	0.0683	0.0701	0.0713
SSP4	Monroe	All industry total	1.0000	5.7577	6.3625	6.9761	7.5768	8.1286	8.6282	9.0709
SSP4	Monroe	Construction	0.0324	0.1865	0.2061	0.2260	0.2455	0.2633	0.2795	0.2939
SSP4	Monroe	Manufacturing	0.1660	0.9558	1.0562	1.1581	1.2578	1.3494	1.4323	1.5058
SSP4	Monroe	Wholesale trade	0.0361	0.2078	0.2296	0.2517	0.2734	0.2933	0.3114	0.3273
SSP4	Monroe	Retail trade	0.0552	0.3177	0.3511	0.3849	0.4181	0.4485	0.4761	0.5005
SSP4	Monroe	Transportation and warehousing	0.0099	0.0569	0.0628	0.0689	0.0748	0.0803	0.0852	0.0896
SSP5	Monroe	All industry total	1.0000	5.9016	6.7011	7.6216	8.6318	9.6798	10.7869	11.9570
SSP5	Monroe	Construction	0.0324	0.1912	0.2171	0.2469	0.2796	0.3136	0.3495	0.3874
SSP5	Monroe	Manufacturing	0.1660	0.9797	1.1124	1.2652	1.4329	1.6069	1.7907	1.9849
SSP5	Monroe	Wholesale trade	0.0361	0.2130	0.2418	0.2750	0.3115	0.3493	0.3893	0.4315
SSP5	Monroe	Retail trade	0.0552	0.3256	0.3697	0.4205	0.4763	0.5341	0.5952	0.6597
SSP5	Monroe	Transportation and warehousing	0.0099	0.0583	0.0662	0.0753	0.0853	0.0956	0.1065	0.1181
SSP1-26	Monroe	All industry total	1.0000	5.8065	6.4386	7.0877	7.7380	8.3621	8.9498	9.4855
SSP1-26	Monroe	Construction	0.0324	0.1881	0.2086	0.2296	0.2507	0.2709	0.2899	0.3073
SSP1-26	Monroe	Manufacturing	0.1660	0.9639	1.0688	1.1766	1.2845	1.3881	1.4857	1.5746
SSP1-26	Monroe	Wholesale trade	0.0361	0.2095	0.2324	0.2558	0.2792	0.3018	0.3230	0.3423
SSP1-26	Monroe	Retail trade	0.0552	0.3204	0.3553	0.3911	0.4269	0.4614	0.4938	0.5234
SSP1-26	Monroe	Transportation and warehousing	0.0099	0.0574	0.0636	0.0700	0.0764	0.0826	0.0884	0.0937
SSP2-26	Monroe	All industry total	1.0000	5.7664	6.3033	6.7947	7.2375	7.6575	8.0483	8.4088
SSP2-26	Monroe	Construction	0.0324	0.1868	0.2042	0.2201	0.2345	0.2481	0.2607	0.2724
SSP2-26	Monroe	Manufacturing	0.1660	0.9572	1.0464	1.1280	1.2015	1.2712	1.3360	1.3959
SSP2-26	Monroe	Wholesale trade	0.0361	0.2081	0.2275	0.2452	0.2612	0.2763	0.2904	0.3034
SSP2-26	Monroe	Retail trade	0.0552	0.3182	0.3478	0.3749	0.3993	0.4225	0.4441	0.4640
SSP2-26	Monroe	Transportation and warehousing	0.0099	0.0570	0.0623	0.0671	0.0715	0.0756	0.0795	0.0831
SSP3-34	Monroe	All industry total	1.0000	5.6679	6.0819	6.4093	6.6034	6.7592	6.8921	6.9714
SSP3-34	Monroe	Construction	0.0324	0.1836	0.1970	0.2076	0.2139	0.2190	0.2233	0.2259
SSP3-34	Monroe	Manufacturing	0.1660	0.9409	1.0096	1.0640	1.0962	1.1220	1.1441	1.1573
SSP3-34	Monroe	Wholesale trade	0.0361	0.2045	0.2195	0.2313	0.2383	0.2439	0.2487	0.2516
SSP3-34	Monroe	Retail trade	0.0552	0.3127	0.3356	0.3536	0.3643	0.3729	0.3803	0.3847
SSP3-34	Monroe	Transportation and warehousing	0.0099	0.0560	0.0601	0.0633	0.0652	0.0668	0.0681	0.0689
SSP4-26	Monroe	All industry total	1.0000	5.7584	6.3681	6.9863	7.5814	8.1280	8.6261	9.0674
SSP4-26	Monroe	Construction	0.0324	0.1866	0.2063	0.2263	0.2456	0.2633	0.2795	0.2938
SSP4-26	Monroe	Manufacturing	0.1660	0.9559	1.0571	1.1597	1.2585	1.3493	1.4320	1.5052
SSP4-26	Monroe	Wholesale trade	0.0361	0.2078	0.2298	0.2521	0.2736	0.2933	0.3113	0.3272
SSP4-26	Monroe	Retail trade	0.0552	0.3177	0.3514	0.3855	0.4183	0.4485	0.4760	0.5003
SSP4-26	Monroe	Transportation and warehousing	0.0099	0.0569	0.0629	0.0690	0.0749	0.0803	0.0852	0.0896
SSP5-26	Monroe	All industry total	1.0000	5.9016	6.6787	7.5794	8.5140	9.4951	10.5000	11.5724
SSP5-26	Monroe	Construction	0.0324	0.1912	0.2164	0.2455	0.2758	0.3076	0.3402	0.3749
SSP5-26	Monroe	Manufacturing	0.1660	0.9797	1.1087	1.2582	1.4134	1.5762	1.7430	1.9211
SSP5-26	Monroe	Wholesale trade	0.0361	0.2130	0.2410	0.2735	0.3072	0.3427	0.3789	0.4176
SSP5-26	Monroe	Retail trade	0.0552	0.3256	0.3685	0.4182	0.4698	0.5239	0.5793	0.6385
SSP5-26	Monroe	Transportation and warehousing	0.0099	0.0583	0.0660	0.0749	0.0841	0.0938	0.1037	0.1143

# Morgan County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Morgan	All industry total	1.0000	1.4290	1.5846	1.7443	1.9044	2.0580	2.2026	2.3345
SSP1	Morgan	Construction	0.0898	0.1283	0.1423	0.1566	0.1710	0.1848	0.1977	0.2096
SSP1	Morgan	Manufacturing	0.1863	0.2662	0.2952	0.3250	0.3548	0.3834	0.4104	0.4349
SSP1	Morgan	Wholesale trade	0.0461	0.0659	0.0731	0.0805	0.0879	0.0950	0.1016	0.1077
SSP1	Morgan	Retail trade	0.0757	0.1081	0.1199	0.1320	0.1441	0.1557	0.1666	0.1766
SSP1	Morgan	Transportation and warehousing	0.0148	0.0211	0.0234	0.0258	0.0281	0.0304	0.0326	0.0345
SSP2	Morgan	All industry total	1.0000	1.4209	1.5552	1.6781	1.7907	1.8973	1.9981	2.0909
SSP2	Morgan	Construction	0.0898	0.1276	0.1396	0.1506	0.1608	0.1703	0.1794	0.1877
SSP2	Morgan	Manufacturing	0.1863	0.2647	0.2898	0.3126	0.3336	0.3535	0.3723	0.3896
SSP2	Morgan	Wholesale trade	0.0461	0.0656	0.0718	0.0774	0.0826	0.0876	0.0922	0.0965
SSP2	Morgan	Retail trade	0.0757	0.1075	0.1177	0.1270	0.1355	0.1436	0.1512	0.1582
SSP2	Morgan	Transportation and warehousing	0.0148	0.0210	0.0230	0.0248	0.0265	0.0280	0.0295	0.0309
SSP3	Morgan	All industry total	1.0000	1.3954	1.4989	1.5807	1.6466	1.7015	1.7462	1.7765
SSP3	Morgan	Construction	0.0898	0.1253	0.1346	0.1419	0.1478	0.1528	0.1568	0.1595
SSP3	Morgan	Manufacturing	0.1863	0.2600	0.2793	0.2945	0.3068	0.3170	0.3253	0.3310
SSP3	Morgan	Wholesale trade	0.0461	0.0644	0.0692	0.0729	0.0760	0.0785	0.0806	0.0820
SSP3	Morgan	Retail trade	0.0757	0.1056	0.1134	0.1196	0.1246	0.1287	0.1321	0.1344
SSP3	Morgan	Transportation and warehousing	0.0148	0.0206	0.0222	0.0234	0.0243	0.0251	0.0258	0.0263
SSP4	Morgan	All industry total	1.0000	1.4170	1.5659	1.7169	1.8647	2.0005	2.1235	2.2324
SSP4	Morgan	Construction	0.0898	0.1272	0.1406	0.1541	0.1674	0.1796	0.1906	0.2004
SSP4	Morgan	Manufacturing	0.1863	0.2640	0.2917	0.3199	0.3474	0.3727	0.3956	0.4159
SSP4	Morgan	Wholesale trade	0.0461	0.0654	0.0723	0.0792	0.0860	0.0923	0.0980	0.1030
SSP4	Morgan	Retail trade	0.0757	0.1072	0.1185	0.1299	0.1411	0.1514	0.1607	0.1689
SSP4	Morgan	Transportation and warehousing	0.0148	0.0209	0.0231	0.0254	0.0276	0.0296	0.0314	0.0330
SSP5	Morgan	All industry total	1.0000	1.4524	1.6492	1.8758	2.1244	2.3823	2.6548	2.9427
SSP5	Morgan	Construction	0.0898	0.1304	0.1481	0.1684	0.1907	0.2139	0.2383	0.2642
SSP5	Morgan	Manufacturing	0.1863	0.2706	0.3073	0.3495	0.3958	0.4438	0.4946	0.5483
SSP5	Morgan	Wholesale trade	0.0461	0.0670	0.0761	0.0866	0.0980	0.1099	0.1225	0.1358
SSP5	Morgan	Retail trade	0.0757	0.1099	0.1248	0.1419	0.1607	0.1802	0.2009	0.2226
SSP5	Morgan	Transportation and warehousing	0.0148	0.0215	0.0244	0.0277	0.0314	0.0352	0.0392	0.0435
SSP1-26	Morgan	All industry total	1.0000	1.4290	1.5846	1.7443	1.9044	2.0580	2.2026	2.3345
SSP1-26	Morgan	Construction	0.0898	0.1283	0.1423	0.1566	0.1710	0.1848	0.1977	0.2096
SSP1-26	Morgan	Manufacturing	0.1863	0.2662	0.2952	0.3250	0.3548	0.3834	0.4104	0.4349
SSP1-26	Morgan	Wholesale trade	0.0461	0.0659	0.0731	0.0805	0.0879	0.0950	0.1016	0.1077
SSP1-26	Morgan	Retail trade	0.0757	0.1081	0.1199	0.1320	0.1441	0.1557	0.1666	0.1766
SSP1-26	Morgan	Transportation and warehousing	0.0148	0.0211	0.0234	0.0258	0.0281	0.0304	0.0326	0.0345
SSP2-26	Morgan	All industry total	1.0000	1.4192	1.5513	1.6722	1.7812	1.8846	1.9808	2.0695
SSP2-26	Morgan	Construction	0.0898	0.1274	0.1393	0.1501	0.1599	0.1692	0.1778	0.1858
SSP2-26	Morgan	Manufacturing	0.1863	0.2644	0.2890	0.3116	0.3319	0.3511	0.3690	0.3856
SSP2-26	Morgan	Wholesale trade	0.0461	0.0655	0.0716	0.0772	0.0822	0.0870	0.0914	0.0955
SSP2-26	Morgan	Retail trade	0.0757	0.1074	0.1174	0.1265	0.1348	0.1426	0.1499	0.1566
SSP2-26	Morgan	Transportation and warehousing	0.0148	0.0210	0.0229	0.0247	0.0263	0.0279	0.0293	0.0306
SSP3-34	Morgan	All industry total	1.0000	1.3949	1.4968	1.5774	1.6252	1.6635	1.6962	1.7157
SSP3-34	Morgan	Construction	0.0898	0.1252	0.1344	0.1416	0.1459	0.1493	0.1523	0.1540
SSP3-34	Morgan	Manufacturing	0.1863	0.2599	0.2789	0.2939	0.3028	0.3099	0.3160	0.3197
SSP3-34	Morgan	Wholesale trade	0.0461	0.0644	0.0691	0.0728	0.0750	0.0768	0.0783	0.0792
SSP3-34	Morgan	Retail trade	0.0757	0.1055	0.1132	0.1193	0.1230	0.1259	0.1283	0.1298
SSP3-34	Morgan	Transportation and warehousing	0.0148	0.0206	0.0221	0.0233	0.0240	0.0246	0.0251	0.0254
SSP4-26	Morgan	All industry total	1.0000	1.4172	1.5673	1.7194	1.8659	2.0004	2.1230	2.2316
SSP4-26	Morgan	Construction	0.0898	0.1272	0.1407	0.1544	0.1675	0.1796	0.1906	0.2003
SSP4-26	Morgan	Manufacturing	0.1863	0.2640	0.2920	0.3203	0.3476	0.3727	0.3955	0.4158
SSP4-26	Morgan	Wholesale trade	0.0461	0.0654	0.0723	0.0793	0.0861	0.0923	0.0980	0.1030
SSP4-26	Morgan	Retail trade	0.0757	0.1072	0.1186	0.1301	0.1412	0.1513	0.1606	0.1688
SSP4-26	Morgan	Transportation and warehousing	0.0148	0.0209	0.0232	0.0254	0.0276	0.0296	0.0314	0.0330
SSP5-26	Morgan	All industry total	1.0000	1.4524	1.6437	1.8653	2.0954	2.3368	2.5841	2.8481
SSP5-26	Morgan	Construction	0.0898	0.1304	0.1476	0.1675	0.1881	0.2098	0.2320	0.2557
SSP5-26	Morgan	Manufacturing	0.1863	0.2706	0.3062	0.3475	0.3904	0.4354	0.4815	0.5306
SSP5-26	Morgan	Wholesale trade	0.0461	0.0670	0.0758	0.0861	0.0967	0.1078	0.1192	0.1314
SSP5-26	Morgan	Retail trade	0.0757	0.1099	0.1244	0.1411	0.1585	0.1768	0.1955	0.2155
SSP5-26	Morgan	Transportation and warehousing	0.0148	0.0215	0.0243	0.0276	0.0310	0.0345	0.0382	0.0421

# Perry County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Perry	All industry total	1.0000	0.6495	0.7202	0.7928	0.8655	0.9353	1.0011	1.0610
SSP1	Perry	Construction	0.0233	0.0151	0.0168	0.0185	0.0202	0.0218	0.0233	0.0247
SSP1	Perry	Manufacturing	0.4649	0.3019	0.3348	0.3685	0.4024	0.4348	0.4654	0.4932
SSP1	Perry	Wholesale trade	0.0105	0.0068	0.0075	0.0083	0.0090	0.0098	0.0105	0.0111
SSP1	Perry	Retail trade	0.0438	0.0285	0.0316	0.0347	0.0379	0.0410	0.0439	0.0465
SSP1	Perry	Transportation and warehousing	0.0287	0.0186	0.0207	0.0227	0.0248	0.0268	0.0287	0.0304
SSP2	Perry	All industry total	1.0000	0.6458	0.7068	0.7627	0.8139	0.8623	0.9081	0.9503
SSP2	Perry	Construction	0.0233	0.0150	0.0165	0.0178	0.0190	0.0201	0.0211	0.0221
SSP2	Perry	Manufacturing	0.4649	0.3002	0.3286	0.3545	0.3783	0.4009	0.4221	0.4418
SSP2	Perry	Wholesale trade	0.0105	0.0067	0.0074	0.0080	0.0085	0.0090	0.0095	0.0099
SSP2	Perry	Retail trade	0.0438	0.0283	0.0310	0.0334	0.0357	0.0378	0.0398	0.0416
SSP2	Perry	Transportation and warehousing	0.0287	0.0185	0.0203	0.0219	0.0233	0.0247	0.0260	0.0273
SSP3	Perry	All industry total	1.0000	0.6342	0.6812	0.7184	0.7484	0.7733	0.7936	0.8074
SSP3	Perry	Construction	0.0233	0.0148	0.0159	0.0167	0.0174	0.0180	0.0185	0.0188
SSP3	Perry	Manufacturing	0.4649	0.2948	0.3167	0.3340	0.3479	0.3595	0.3689	0.3753
SSP3	Perry	Wholesale trade	0.0105	0.0066	0.0071	0.0075	0.0078	0.0081	0.0083	0.0084
SSP3	Perry	Retail trade	0.0438	0.0278	0.0299	0.0315	0.0328	0.0339	0.0348	0.0354
SSP3	Perry	Transportation and warehousing	0.0287	0.0182	0.0195	0.0206	0.0215	0.0222	0.0228	0.0232
SSP4	Perry	All industry total	1.0000	0.6440	0.7117	0.7803	0.8475	0.9092	0.9651	1.0146
SSP4	Perry	Construction	0.0233	0.0150	0.0166	0.0182	0.0197	0.0212	0.0225	0.0236
SSP4	Perry	Manufacturing	0.4649	0.2994	0.3308	0.3627	0.3940	0.4227	0.4486	0.4717
SSP4	Perry	Wholesale trade	0.0105	0.0067	0.0074	0.0082	0.0089	0.0095	0.0101	0.0106
SSP4	Perry	Retail trade	0.0438	0.0282	0.0312	0.0342	0.0371	0.0398	0.0423	0.0445
SSP4	Perry	Transportation and warehousing	0.0287	0.0185	0.0204	0.0224	0.0243	0.0261	0.0277	0.0291
SSP5	Perry	All industry total	1.0000	0.6601	0.7495	0.8525	0.9655	1.0827	1.2066	1.3375
SSP5	Perry	Construction	0.0233	0.0154	0.0175	0.0199	0.0225	0.0252	0.0281	0.0311
SSP5	Perry	Manufacturing	0.4649	0.3069	0.3484	0.3963	0.4488	0.5033	0.5609	0.6217
SSP5	Perry	Wholesale trade	0.0105	0.0069	0.0078	0.0089	0.0101	0.0113	0.0126	0.0140
SSP5	Perry	Retail trade	0.0438	0.0289	0.0328	0.0374	0.0423	0.0474	0.0529	0.0586
SSP5	Perry	Transportation and warehousing	0.0287	0.0189	0.0215	0.0245	0.0277	0.0311	0.0346	0.0384
SSP1-26	Perry	All industry total	1.0000	0.6495	0.7202	0.7928	0.8655	0.9353	1.0011	1.0610
SSP1-26	Perry	Construction	0.0233	0.0151	0.0168	0.0185	0.0202	0.0218	0.0233	0.0247
SSP1-26	Perry	Manufacturing	0.4649	0.3019	0.3348	0.3685	0.4024	0.4348	0.4654	0.4932
SSP1-26	Perry	Wholesale trade	0.0105	0.0068	0.0075	0.0083	0.0090	0.0098	0.0105	0.0111
SSP1-26	Perry	Retail trade	0.0438	0.0285	0.0316	0.0347	0.0379	0.0410	0.0439	0.0465
SSP1-26	Perry	Transportation and warehousing	0.0287	0.0186	0.0207	0.0227	0.0248	0.0268	0.0287	0.0304
SSP2-26	Perry	All industry total	1.0000	0.6450	0.7051	0.7600	0.8096	0.8565	0.9002	0.9406
SSP2-26	Perry	Construction	0.0233	0.0150	0.0164	0.0177	0.0189	0.0199	0.0210	0.0219
SSP2-26	Perry	Manufacturing	0.4649	0.2998	0.3278	0.3533	0.3763	0.3982	0.4185	0.4372
SSP2-26	Perry	Wholesale trade	0.0105	0.0067	0.0074	0.0079	0.0085	0.0090	0.0094	0.0098
SSP2-26	Perry	Retail trade	0.0438	0.0283	0.0309	0.0333	0.0355	0.0375	0.0395	0.0412
SSP2-26	Perry	Transportation and warehousing	0.0287	0.0185	0.0202	0.0218	0.0232	0.0246	0.0258	0.0270
SSP3-34	Perry	All industry total	1.0000	0.6340	0.6803	0.7169	0.7386	0.7560	0.7709	0.7798
SSP3-34	Perry	Construction	0.0233	0.0148	0.0158	0.0167	0.0172	0.0176	0.0180	0.0182
SSP3-34	Perry	Manufacturing	0.4649	0.2947	0.3162	0.3333	0.3434	0.3515	0.3584	0.3625
SSP3-34	Perry	Wholesale trade	0.0105	0.0066	0.0071	0.0075	0.0077	0.0079	0.0081	0.0081
SSP3-34	Perry	Retail trade	0.0438	0.0278	0.0298	0.0314	0.0324	0.0331	0.0338	0.0342
SSP3-34	Perry	Transportation and warehousing	0.0287	0.0182	0.0195	0.0206	0.0212	0.0217	0.0221	0.0224
SSP4-26	Perry	All industry total	1.0000	0.6441	0.7123	0.7814	0.8480	0.9092	0.9649	1.0142
SSP4-26	Perry	Construction	0.0233	0.0150	0.0166	0.0182	0.0197	0.0212	0.0225	0.0236
SSP4-26	Perry	Manufacturing	0.4649	0.2994	0.3311	0.3633	0.3942	0.4226	0.4485	0.4715
SSP4-26	Perry	Wholesale trade	0.0105	0.0067	0.0074	0.0082	0.0089	0.0095	0.0101	0.0106
SSP4-26	Perry	Retail trade	0.0438	0.0282	0.0312	0.0342	0.0372	0.0398	0.0423	0.0444
SSP4-26	Perry	Transportation and warehousing	0.0287	0.0185	0.0204	0.0224	0.0243	0.0261	0.0277	0.0291
SSP5-26	Perry	All industry total	1.0000	0.6601	0.7470	0.8478	0.9523	1.0621	1.1745	1.2944
SSP5-26	Perry	Construction	0.0233	0.0154	0.0174	0.0197	0.0222	0.0247	0.0274	0.0301
SSP5-26	Perry	Manufacturing	0.4649	0.3069	0.3473	0.3941	0.4427	0.4937	0.5460	0.6017
SSP5-26	Perry	Wholesale trade	0.0105	0.0069	0.0078	0.0089	0.0100	0.0111	0.0123	0.0135
SSP5-26	Perry	Retail trade	0.0438	0.0289	0.0327	0.0372	0.0417	0.0465	0.0515	0.0567
SSP5-26	Perry	Transportation and warehousing	0.0287	0.0189	0.0214	0.0243	0.0273	0.0305	0.0337	0.0371

## Porter County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Porter	All industry total	1.0000	5.9366	6.5830	7.2466	7.9114	8.5495	9.1504	9.6981
SSP1	Porter	Construction	0.0620	0.3679	0.4080	0.4491	0.4903	0.5298	0.5671	0.6010
SSP1	Porter	Manufacturing	0.2863	1.6997	1.8848	2.0748	2.2651	2.4478	2.6198	2.7766
SSP1	Porter	Wholesale trade	0.0500	0.2968	0.3291	0.3623	0.3956	0.4275	0.4575	0.4849
SSP1	Porter	Retail trade	0.0655	0.3889	0.4312	0.4747	0.5182	0.5600	0.5994	0.6352
SSP1	Porter	Transportation and warehousing	0.0465	0.2763	0.3063	0.3372	0.3682	0.3978	0.4258	0.4513
SSP2	Porter	All industry total	1.0000	5.9031	6.4609	6.9712	7.4390	7.8821	8.3006	8.6864
SSP2	Porter	Construction	0.0620	0.3658	0.4004	0.4320	0.4610	0.4885	0.5144	0.5383
SSP2	Porter	Manufacturing	0.2863	1.6901	1.8498	1.9959	2.1299	2.2567	2.3765	2.4870
SSP2	Porter	Wholesale trade	0.0500	0.2951	0.3230	0.3485	0.3719	0.3941	0.4150	0.4343
SSP2	Porter	Retail trade	0.0655	0.3867	0.4232	0.4566	0.4873	0.5163	0.5437	0.5690
SSP2	Porter	Transportation and warehousing	0.0465	0.2747	0.3007	0.3244	0.3462	0.3668	0.3863	0.4042
SSP3	Porter	All industry total	1.0000	5.7971	6.2267	6.5669	6.8405	7.0687	7.2543	7.3803
SSP3	Porter	Construction	0.0620	0.3593	0.3859	0.4070	0.4239	0.4381	0.4496	0.4574
SSP3	Porter	Manufacturing	0.2863	1.6598	1.7828	1.8802	1.9585	2.0238	2.0770	2.1131
SSP3	Porter	Wholesale trade	0.0500	0.2898	0.3113	0.3283	0.3420	0.3534	0.3627	0.3690
SSP3	Porter	Retail trade	0.0655	0.3797	0.4079	0.4301	0.4481	0.4630	0.4752	0.4834
SSP3	Porter	Transportation and warehousing	0.0465	0.2698	0.2898	0.3056	0.3183	0.3289	0.3376	0.3434
SSP4	Porter	All industry total	1.0000	5.8867	6.5051	7.1324	7.7466	8.3108	8.8216	9.2742
SSP4	Porter	Construction	0.0620	0.3648	0.4031	0.4420	0.4801	0.5150	0.5467	0.5747
SSP4	Porter	Manufacturing	0.2863	1.6854	1.8625	2.0421	2.2179	2.3794	2.5257	2.6553
SSP4	Porter	Wholesale trade	0.0500	0.2943	0.3252	0.3566	0.3873	0.4155	0.4411	0.4637
SSP4	Porter	Retail trade	0.0655	0.3856	0.4261	0.4672	0.5074	0.5444	0.5778	0.6075
SSP4	Porter	Transportation and warehousing	0.0465	0.2739	0.3027	0.3319	0.3605	0.3867	0.4105	0.4316
SSP5	Porter	All industry total	1.0000	6.0338	6.8513	7.7925	8.8253	9.8967	11.0287	12.2250
SSP5	Porter	Construction	0.0620	0.3739	0.4246	0.4829	0.5469	0.6133	0.6835	0.7576
SSP5	Porter	Manufacturing	0.2863	1.7275	1.9616	2.2310	2.5268	2.8335	3.1576	3.5001
SSP5	Porter	Wholesale trade	0.0500	0.3017	0.3425	0.3896	0.4412	0.4948	0.5514	0.6112
SSP5	Porter	Retail trade	0.0655	0.3952	0.4488	0.5104	0.5781	0.6482	0.7224	0.8007
SSP5	Porter	Transportation and warehousing	0.0465	0.2808	0.3188	0.3626	0.4107	0.4605	0.5132	0.5689
SSP1-26	Porter	All industry total	1.0000	5.9366	6.5830	7.2466	7.9114	8.5495	9.1504	9.6981
SSP1-26	Porter	Construction	0.0620	0.3679	0.4080	0.4491	0.4903	0.5298	0.5671	0.6010
SSP1-26	Porter	Manufacturing	0.2863	1.6997	1.8848	2.0748	2.2651	2.4478	2.6198	2.7766
SSP1-26	Porter	Wholesale trade	0.0500	0.2968	0.3291	0.3623	0.3956	0.4275	0.4575	0.4849
SSP1-26	Porter	Retail trade	0.0655	0.3889	0.4312	0.4747	0.5182	0.5600	0.5994	0.6352
SSP1-26	Porter	Transportation and warehousing	0.0465	0.2763	0.3063	0.3372	0.3682	0.3978	0.4258	0.4513
SSP2-26	Porter	All industry total	1.0000	5.8956	6.4446	6.9470	7.3997	7.8292	8.2287	8.5972
SSP2-26	Porter	Construction	0.0620	0.3654	0.3994	0.4305	0.4586	0.4852	0.5099	0.5328
SSP2-26	Porter	Manufacturing	0.2863	1.6880	1.8451	1.9890	2.1186	2.2416	2.3559	2.4615
SSP2-26	Porter	Wholesale trade	0.0500	0.2948	0.3222	0.3473	0.3700	0.3914	0.4114	0.4298
SSP2-26	Porter	Retail trade	0.0655	0.3862	0.4221	0.4550	0.4847	0.5128	0.5390	0.5631
SSP2-26	Porter	Transportation and warehousing	0.0465	0.2743	0.2999	0.3233	0.3443	0.3643	0.3829	0.4001
SSP3-34	Porter	All industry total	1.0000	5.7949	6.2182	6.5530	6.7515	6.9107	7.0465	7.1277
SSP3-34	Porter	Construction	0.0620	0.3591	0.3854	0.4061	0.4184	0.4283	0.4367	0.4417
SSP3-34	Porter	Manufacturing	0.2863	1.6591	1.7803	1.8762	1.9330	1.9786	2.0175	2.0407
SSP3-34	Porter	Wholesale trade	0.0500	0.2897	0.3109	0.3276	0.3376	0.3455	0.3523	0.3564
SSP3-34	Porter	Retail trade	0.0655	0.3796	0.4073	0.4292	0.4422	0.4527	0.4616	0.4669
SSP3-34	Porter	Transportation and warehousing	0.0465	0.2697	0.2894	0.3049	0.3142	0.3216	0.3279	0.3317
SSP4-26	Porter	All industry total	1.0000	5.8874	6.5109	7.1429	7.7514	8.3102	8.8195	9.2707
SSP4-26	Porter	Construction	0.0620	0.3649	0.4035	0.4427	0.4804	0.5150	0.5466	0.5745
SSP4-26	Porter	Manufacturing	0.2863	1.6856	1.8641	2.0451	2.2193	2.3793	2.5251	2.6543
SSP4-26	Porter	Wholesale trade	0.0500	0.2944	0.3255	0.3571	0.3876	0.4155	0.4410	0.4635
SSP4-26	Porter	Retail trade	0.0655	0.3856	0.4265	0.4679	0.5077	0.5443	0.5777	0.6072
SSP4-26	Porter	Transportation and warehousing	0.0465	0.2740	0.3030	0.3324	0.3607	0.3867	0.4104	0.4314
SSP5-26	Porter	All industry total	1.0000	6.0338	6.8284	7.7493	8.7048	9.7079	10.7354	11.8318
SSP5-26	Porter	Construction	0.0620	0.3739	0.4232	0.4802	0.5395	0.6016	0.6653	0.7332
SSP5-26	Porter	Manufacturing	0.2863	1.7275	1.9550	2.2187	2.4923	2.7795	3.0736	3.3875
SSP5-26	Porter	Wholesale trade	0.0500	0.3017	0.3414	0.3874	0.4352	0.4854	0.5367	0.5916
SSP5-26	Porter	Retail trade	0.0655	0.3952	0.4473	0.5076	0.5702	0.6359	0.7032	0.7750
SSP5-26	Porter	Transportation and warehousing	0.0465	0.2808	0.3178	0.3606	0.4051	0.4517	0.4996	0.5506

# Putnam County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Putnam	All industry total	1.0000	0.9827	1.0897	1.1995	1.3096	1.4152	1.5146	1.6053
SSP1	Putnam	Construction	0.0467	0.0459	0.0509	0.0560	0.0612	0.0661	0.0707	0.0750
SSP1	Putnam	Manufacturing	0.2003	0.1969	0.2183	0.2403	0.2624	0.2835	0.3035	0.3216
SSP1	Putnam	Wholesale trade	0.0248	0.0243	0.0270	0.0297	0.0324	0.0350	0.0375	0.0397
SSP1	Putnam	Retail trade	0.0594	0.0584	0.0647	0.0712	0.0778	0.0841	0.0900	0.0953
SSP1	Putnam	Transportation and warehousing	0.0889	0.0873	0.0968	0.1066	0.1164	0.1258	0.1346	0.1427
SSP2	Putnam	All industry total	1.0000	0.9771	1.0695	1.1539	1.2314	1.3047	1.3740	1.4378
SSP2	Putnam	Construction	0.0467	0.0456	0.0500	0.0539	0.0575	0.0609	0.0642	0.0672
SSP2	Putnam	Manufacturing	0.2003	0.1958	0.2143	0.2312	0.2467	0.2614	0.2753	0.2881
SSP2	Putnam	Wholesale trade	0.0248	0.0242	0.0265	0.0286	0.0305	0.0323	0.0340	0.0356
SSP2	Putnam	Retail trade	0.0594	0.0580	0.0635	0.0685	0.0731	0.0775	0.0816	0.0854
SSP2	Putnam	Transportation and warehousing	0.0889	0.0868	0.0950	0.1025	0.1094	0.1159	0.1221	0.1278
SSP3	Putnam	All industry total	1.0000	0.9596	1.0307	1.0870	1.1323	1.1701	1.2008	1.2216
SSP3	Putnam	Construction	0.0467	0.0448	0.0481	0.0508	0.0529	0.0547	0.0561	0.0571
SSP3	Putnam	Manufacturing	0.2003	0.1923	0.2065	0.2178	0.2269	0.2344	0.2406	0.2448
SSP3	Putnam	Wholesale trade	0.0248	0.0238	0.0255	0.0269	0.0280	0.0290	0.0297	0.0302
SSP3	Putnam	Retail trade	0.0594	0.0570	0.0612	0.0646	0.0673	0.0695	0.0713	0.0726
SSP3	Putnam	Transportation and warehousing	0.0889	0.0853	0.0916	0.0966	0.1006	0.1040	0.1067	0.1086
SSP4	Putnam	All industry total	1.0000	0.9744	1.0768	1.1806	1.2823	1.3757	1.4602	1.5351
SSP4	Putnam	Construction	0.0467	0.0455	0.0503	0.0551	0.0599	0.0643	0.0682	0.0717
SSP4	Putnam	Manufacturing	0.2003	0.1952	0.2157	0.2365	0.2569	0.2756	0.2926	0.3076
SSP4	Putnam	Wholesale trade	0.0248	0.0241	0.0267	0.0292	0.0317	0.0341	0.0361	0.0380
SSP4	Putnam	Retail trade	0.0594	0.0579	0.0640	0.0701	0.0762	0.0817	0.0867	0.0912
SSP4	Putnam	Transportation and warehousing	0.0889	0.0866	0.0957	0.1049	0.1139	0.1222	0.1298	0.1364
SSP5	Putnam	All industry total	1.0000	0.9988	1.1341	1.2899	1.4608	1.6382	1.8256	2.0236
SSP5	Putnam	Construction	0.0467	0.0467	0.0530	0.0602	0.0682	0.0765	0.0853	0.0945
SSP5	Putnam	Manufacturing	0.2003	0.2001	0.2272	0.2584	0.2927	0.3282	0.3657	0.4054
SSP5	Putnam	Wholesale trade	0.0248	0.0247	0.0281	0.0319	0.0362	0.0406	0.0452	0.0501
SSP5	Putnam	Retail trade	0.0594	0.0593	0.0674	0.0766	0.0868	0.0973	0.1084	0.1202
SSP5	Putnam	Transportation and warehousing	0.0889	0.0888	0.1008	0.1146	0.1298	0.1456	0.1622	0.1798
SSP1-26	Putnam	All industry total	1.0000	0.9827	1.0897	1.1995	1.3096	1.4152	1.5146	1.6053
SSP1-26	Putnam	Construction	0.0467	0.0459	0.0509	0.0560	0.0612	0.0661	0.0707	0.0750
SSP1-26	Putnam	Manufacturing	0.2003	0.1969	0.2183	0.2403	0.2624	0.2835	0.3035	0.3216
SSP1-26	Putnam	Wholesale trade	0.0248	0.0243	0.0270	0.0297	0.0324	0.0350	0.0375	0.0397
SSP1-26	Putnam	Retail trade	0.0594	0.0584	0.0647	0.0712	0.0778	0.0841	0.0900	0.0953
SSP1-26	Putnam	Transportation and warehousing	0.0889	0.0873	0.0968	0.1066	0.1164	0.1258	0.1346	0.1427
SSP2-26	Putnam	All industry total	1.0000	0.9759	1.0668	1.1499	1.2249	1.2959	1.3621	1.4231
SSP2-26	Putnam	Construction	0.0467	0.0456	0.0498	0.0537	0.0572	0.0605	0.0636	0.0665
SSP2-26	Putnam	Manufacturing	0.2003	0.1955	0.2137	0.2304	0.2454	0.2596	0.2729	0.2851
SSP2-26	Putnam	Wholesale trade	0.0248	0.0242	0.0264	0.0285	0.0303	0.0321	0.0337	0.0352
SSP2-26	Putnam	Retail trade	0.0594	0.0580	0.0634	0.0683	0.0728	0.0770	0.0809	0.0845
SSP2-26	Putnam	Transportation and warehousing	0.0889	0.0867	0.0948	0.1022	0.1088	0.1152	0.1210	0.1265
SSP3-34	Putnam	All industry total	1.0000	0.9592	1.0293	1.0847	1.1175	1.1439	1.1664	1.1798
SSP3-34	Putnam	Construction	0.0467	0.0448	0.0481	0.0507	0.0522	0.0534	0.0545	0.0551
SSP3-34	Putnam	Manufacturing	0.2003	0.1922	0.2062	0.2173	0.2239	0.2292	0.2337	0.2364
SSP3-34	Putnam	Wholesale trade	0.0248	0.0237	0.0255	0.0269	0.0277	0.0283	0.0289	0.0292
SSP3-34	Putnam	Retail trade	0.0594	0.0570	0.0611	0.0644	0.0664	0.0679	0.0693	0.0701
SSP3-34	Putnam	Transportation and warehousing	0.0889	0.0852	0.0915	0.0964	0.0993	0.1017	0.1037	0.1048
SSP4-26	Putnam	All industry total	1.0000	0.9745	1.0777	1.1823	1.2831	1.3756	1.4599	1.5345
SSP4-26	Putnam	Construction	0.0467	0.0455	0.0503	0.0552	0.0599	0.0643	0.0682	0.0717
SSP4-26	Putnam	Manufacturing	0.2003	0.1952	0.2159	0.2369	0.2571	0.2756	0.2925	0.3074
SSP4-26	Putnam	Wholesale trade	0.0248	0.0241	0.0267	0.0293	0.0318	0.0341	0.0361	0.0380
SSP4-26	Putnam	Retail trade	0.0594	0.0579	0.0640	0.0702	0.0762	0.0817	0.0867	0.0911
SSP4-26	Putnam	Transportation and warehousing	0.0889	0.0866	0.0958	0.1051	0.1140	0.1222	0.1297	0.1364
SSP5-26	Putnam	All industry total	1.0000	0.9988	1.1303	1.2827	1.4409	1.6069	1.7770	1.9585
SSP5-26	Putnam	Construction	0.0467	0.0467	0.0528	0.0599	0.0673	0.0751	0.0830	0.0915
SSP5-26	Putnam	Manufacturing	0.2003	0.2001	0.2265	0.2570	0.2887	0.3219	0.3560	0.3924
SSP5-26	Putnam	Wholesale trade	0.0248	0.0247	0.0280	0.0318	0.0357	0.0398	0.0440	0.0485
SSP5-26	Putnam	Retail trade	0.0594	0.0593	0.0671	0.0762	0.0856	0.0954	0.1055	0.1163
SSP5-26	Putnam	Transportation and warehousing	0.0889	0.0888	0.1004	0.1140	0.1280	0.1428	0.1579	0.1740

## Ripley County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Ripley	All industry total	1.0000	1.1554	1.2812	1.4103	1.5397	1.6639	1.7809	1.8875
SSP1	Ripley	Construction	0.0322	0.0372	0.0413	0.0455	0.0496	0.0536	0.0574	0.0608
SSP1	Ripley	Manufacturing	0.1807	0.2088	0.2316	0.2549	0.2783	0.3007	0.3219	0.3411
SSP1	Ripley	Wholesale trade	0.0277	0.0320	0.0355	0.0391	0.0426	0.0461	0.0493	0.0523
SSP1	Ripley	Retail trade	0.0380	0.0439	0.0486	0.0535	0.0585	0.0632	0.0676	0.0717
SSP1	Ripley	Transportation and warehousing	0.0707	0.0817	0.0906	0.0997	0.1089	0.1176	0.1259	0.1334
SSP2	Ripley	All industry total	1.0000	1.1489	1.2574	1.3567	1.4478	1.5340	1.6155	1.6906
SSP2	Ripley	Construction	0.0322	0.0370	0.0405	0.0437	0.0467	0.0494	0.0521	0.0545
SSP2	Ripley	Manufacturing	0.1807	0.2076	0.2273	0.2452	0.2617	0.2773	0.2920	0.3056
SSP2	Ripley	Wholesale trade	0.0277	0.0318	0.0348	0.0376	0.0401	0.0425	0.0447	0.0468
SSP2	Ripley	Retail trade	0.0380	0.0436	0.0477	0.0515	0.0550	0.0582	0.0613	0.0642
SSP2	Ripley	Transportation and warehousing	0.0707	0.0812	0.0889	0.0959	0.1024	0.1085	0.1142	0.1195
SSP3	Ripley	All industry total	1.0000	1.1282	1.2119	1.2781	1.3313	1.3757	1.4118	1.4364
SSP3	Ripley	Construction	0.0322	0.0364	0.0391	0.0412	0.0429	0.0443	0.0455	0.0463
SSP3	Ripley	Manufacturing	0.1807	0.2039	0.2190	0.2310	0.2406	0.2487	0.2552	0.2596
SSP3	Ripley	Wholesale trade	0.0277	0.0312	0.0336	0.0354	0.0369	0.0381	0.0391	0.0398
SSP3	Ripley	Retail trade	0.0380	0.0428	0.0460	0.0485	0.0505	0.0522	0.0536	0.0545
SSP3	Ripley	Transportation and warehousing	0.0707	0.0798	0.0857	0.0904	0.0941	0.0973	0.0998	0.1016
SSP4	Ripley	All industry total	1.0000	1.1457	1.2660	1.3881	1.5077	1.6175	1.7169	1.8050
SSP4	Ripley	Construction	0.0322	0.0369	0.0408	0.0447	0.0486	0.0521	0.0553	0.0582
SSP4	Ripley	Manufacturing	0.1807	0.2071	0.2288	0.2509	0.2725	0.2923	0.3103	0.3262
SSP4	Ripley	Wholesale trade	0.0277	0.0317	0.0351	0.0384	0.0417	0.0448	0.0475	0.0500
SSP4	Ripley	Retail trade	0.0380	0.0435	0.0481	0.0527	0.0572	0.0614	0.0652	0.0685
SSP4	Ripley	Transportation and warehousing	0.0707	0.0810	0.0895	0.0981	0.1066	0.1144	0.1214	0.1276
SSP5	Ripley	All industry total	1.0000	1.1743	1.3334	1.5166	1.7176	1.9261	2.1464	2.3793
SSP5	Ripley	Construction	0.0322	0.0379	0.0430	0.0489	0.0554	0.0621	0.0692	0.0767
SSP5	Ripley	Manufacturing	0.1807	0.2122	0.2410	0.2741	0.3104	0.3481	0.3880	0.4300
SSP5	Ripley	Wholesale trade	0.0277	0.0325	0.0369	0.0420	0.0476	0.0533	0.0594	0.0659
SSP5	Ripley	Retail trade	0.0380	0.0446	0.0506	0.0576	0.0652	0.0731	0.0815	0.0903
SSP5	Ripley	Transportation and warehousing	0.0707	0.0830	0.0943	0.1072	0.1214	0.1362	0.1518	0.1682
SSP1-26	Ripley	All industry total	1.0000	1.1554	1.2812	1.4103	1.5397	1.6639	1.7809	1.8875
SSP1-26	Ripley	Construction	0.0322	0.0372	0.0413	0.0455	0.0496	0.0536	0.0574	0.0608
SSP1-26	Ripley	Manufacturing	0.1807	0.2088	0.2316	0.2549	0.2783	0.3007	0.3219	0.3411
SSP1-26	Ripley	Wholesale trade	0.0277	0.0320	0.0355	0.0391	0.0426	0.0461	0.0493	0.0523
SSP1-26	Ripley	Retail trade	0.0380	0.0439	0.0486	0.0535	0.0585	0.0632	0.0676	0.0717
SSP1-26	Ripley	Transportation and warehousing	0.0707	0.0817	0.0906	0.0997	0.1089	0.1176	0.1259	0.1334
SSP2-26	Ripley	All industry total	1.0000	1.1474	1.2543	1.3520	1.4402	1.5237	1.6015	1.6732
SSP2-26	Ripley	Construction	0.0322	0.0370	0.0404	0.0436	0.0464	0.0491	0.0516	0.0539
SSP2-26	Ripley	Manufacturing	0.1807	0.2074	0.2267	0.2444	0.2603	0.2754	0.2895	0.3024
SSP2-26	Ripley	Wholesale trade	0.0277	0.0318	0.0347	0.0374	0.0399	0.0422	0.0443	0.0463
SSP2-26	Ripley	Retail trade	0.0380	0.0436	0.0476	0.0513	0.0547	0.0578	0.0608	0.0635
SSP2-26	Ripley	Transportation and warehousing	0.0707	0.0811	0.0887	0.0956	0.1018	0.1077	0.1132	0.1183
SSP3-34	Ripley	All industry total	1.0000	1.1278	1.2102	1.2754	1.3140	1.3450	1.3714	1.3872
SSP3-34	Ripley	Construction	0.0322	0.0364	0.0390	0.0411	0.0424	0.0434	0.0442	0.0447
SSP3-34	Ripley	Manufacturing	0.1807	0.2038	0.2187	0.2305	0.2375	0.2431	0.2479	0.2507
SSP3-34	Ripley	Wholesale trade	0.0277	0.0312	0.0335	0.0353	0.0364	0.0372	0.0380	0.0384
SSP3-34	Ripley	Retail trade	0.0380	0.0428	0.0459	0.0484	0.0499	0.0511	0.0521	0.0527
SSP3-34	Ripley	Transportation and warehousing	0.0707	0.0797	0.0856	0.0902	0.0929	0.0951	0.0970	0.0981
SSP4-26	Ripley	All industry total	1.0000	1.1458	1.2672	1.3902	1.5086	1.6173	1.7165	1.8043
SSP4-26	Ripley	Construction	0.0322	0.0369	0.0408	0.0448	0.0486	0.0521	0.0553	0.0582
SSP4-26	Ripley	Manufacturing	0.1807	0.2071	0.2290	0.2513	0.2727	0.2923	0.3102	0.3261
SSP4-26	Ripley	Wholesale trade	0.0277	0.0317	0.0351	0.0385	0.0418	0.0448	0.0475	0.0500
SSP4-26	Ripley	Retail trade	0.0380	0.0435	0.0481	0.0528	0.0573	0.0614	0.0652	0.0685
SSP4-26	Ripley	Transportation and warehousing	0.0707	0.0810	0.0896	0.0983	0.1067	0.1143	0.1214	0.1276
SSP5-26	Ripley	All industry total	1.0000	1.1743	1.3289	1.5082	1.6941	1.8894	2.0893	2.3027
SSP5-26	Ripley	Construction	0.0322	0.0379	0.0428	0.0486	0.0546	0.0609	0.0673	0.0742
SSP5-26	Ripley	Manufacturing	0.1807	0.2122	0.2402	0.2726	0.3062	0.3415	0.3776	0.4162
SSP5-26	Ripley	Wholesale trade	0.0277	0.0325	0.0368	0.0418	0.0469	0.0523	0.0579	0.0638
SSP5-26	Ripley	Retail trade	0.0380	0.0446	0.0504	0.0573	0.0643	0.0717	0.0793	0.0874
SSP5-26	Ripley	Transportation and warehousing	0.0707	0.0830	0.0940	0.1066	0.1198	0.1336	0.1477	0.1628



## Shelby County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Shelby	All industry total	1.0000	1.8901	2.0959	2.3071	2.5188	2.7220	2.9133	3.0877
SSP1	Shelby	Construction	0.0424	0.0802	0.0889	0.0979	0.1068	0.1155	0.1236	0.1310
SSP1	Shelby	Manufacturing	0.3992	0.7545	0.8367	0.9210	1.0055	1.0866	1.1630	1.2326
SSP1	Shelby	Wholesale trade	0.0341	0.0645	0.0715	0.0787	0.0860	0.0929	0.0994	0.1054
SSP1	Shelby	Retail trade	0.0482	0.0911	0.1010	0.1112	0.1214	0.1312	0.1404	0.1488
SSP1	Shelby	Transportation and warehousing	0.0527	0.0996	0.1105	0.1216	0.1328	0.1435	0.1536	0.1628
SSP2	Shelby	All industry total	1.0000	1.8794	2.0570	2.2195	2.3684	2.5095	2.6427	2.7655
SSP2	Shelby	Construction	0.0424	0.0797	0.0873	0.0941	0.1005	0.1064	0.1121	0.1173
SSP2	Shelby	Manufacturing	0.3992	0.7503	0.8212	0.8860	0.9455	1.0018	1.0550	1.1040
SSP2	Shelby	Wholesale trade	0.0341	0.0641	0.0702	0.0757	0.0808	0.0856	0.0902	0.0944
SSP2	Shelby	Retail trade	0.0482	0.0906	0.0991	0.1069	0.1141	0.1209	0.1273	0.1333
SSP2	Shelby	Transportation and warehousing	0.0527	0.0991	0.1085	0.1170	0.1249	0.1323	0.1393	0.1458
SSP3	Shelby	All industry total	1.0000	1.8457	1.9824	2.0907	2.1779	2.2505	2.3096	2.3497
SSP3	Shelby	Construction	0.0424	0.0783	0.0841	0.0887	0.0924	0.0955	0.0980	0.0997
SSP3	Shelby	Manufacturing	0.3992	0.7368	0.7914	0.8346	0.8694	0.8984	0.9220	0.9380
SSP3	Shelby	Wholesale trade	0.0341	0.0630	0.0677	0.0714	0.0743	0.0768	0.0788	0.0802
SSP3	Shelby	Retail trade	0.0482	0.0889	0.0955	0.1007	0.1049	0.1084	0.1113	0.1132
SSP3	Shelby	Transportation and warehousing	0.0527	0.0973	0.1045	0.1102	0.1148	0.1187	0.1218	0.1239
SSP4	Shelby	All industry total	1.0000	1.8742	2.0711	2.2708	2.4664	2.6460	2.8086	2.9527
SSP4	Shelby	Construction	0.0424	0.0795	0.0878	0.0963	0.1046	0.1122	0.1191	0.1252
SSP4	Shelby	Manufacturing	0.3992	0.7482	0.8268	0.9065	0.9846	1.0563	1.1212	1.1787
SSP4	Shelby	Wholesale trade	0.0341	0.0640	0.0707	0.0775	0.0842	0.0903	0.0959	0.1008
SSP4	Shelby	Retail trade	0.0482	0.0903	0.0998	0.1094	0.1188	0.1275	0.1353	0.1423
SSP4	Shelby	Transportation and warehousing	0.0527	0.0988	0.1092	0.1197	0.1300	0.1395	0.1481	0.1557
SSP5	Shelby	All industry total	1.0000	1.9210	2.1813	2.4809	2.8098	3.1509	3.5113	3.8922
SSP5	Shelby	Construction	0.0424	0.0815	0.0925	0.1052	0.1192	0.1337	0.1489	0.1651
SSP5	Shelby	Manufacturing	0.3992	0.7669	0.8708	0.9904	1.1217	1.2578	1.4017	1.5537
SSP5	Shelby	Wholesale trade	0.0341	0.0656	0.0744	0.0847	0.0959	0.1075	0.1198	0.1328
SSP5	Shelby	Retail trade	0.0482	0.0926	0.1051	0.1195	0.1354	0.1518	0.1692	0.1875
SSP5	Shelby	Transportation and warehousing	0.0527	0.1013	0.1150	0.1308	0.1481	0.1661	0.1851	0.2052
SSP1-26	Shelby	All industry total	1.0000	1.8901	2.0959	2.3071	2.5188	2.7220	2.9133	3.0877
SSP1-26	Shelby	Construction	0.0424	0.0802	0.0889	0.0979	0.1068	0.1155	0.1236	0.1310
SSP1-26	Shelby	Manufacturing	0.3992	0.7545	0.8367	0.9210	1.0055	1.0866	1.1630	1.2326
SSP1-26	Shelby	Wholesale trade	0.0341	0.0645	0.0715	0.0787	0.0860	0.0929	0.0994	0.1054
SSP1-26	Shelby	Retail trade	0.0482	0.0911	0.1010	0.1112	0.1214	0.1312	0.1404	0.1488
SSP1-26	Shelby	Transportation and warehousing	0.0527	0.0996	0.1105	0.1216	0.1328	0.1435	0.1536	0.1628
SSP2-26	Shelby	All industry total	1.0000	1.8770	2.0518	2.2118	2.3559	2.4926	2.6198	2.7372
SSP2-26	Shelby	Construction	0.0424	0.0796	0.0870	0.0938	0.0999	0.1057	0.1111	0.1161
SSP2-26	Shelby	Manufacturing	0.3992	0.7493	0.8191	0.8829	0.9405	0.9951	1.0458	1.0927
SSP2-26	Shelby	Wholesale trade	0.0341	0.0641	0.0700	0.0755	0.0804	0.0851	0.0894	0.0934
SSP2-26	Shelby	Retail trade	0.0482	0.0904	0.0989	0.1066	0.1135	0.1201	0.1262	0.1319
SSP2-26	Shelby	Transportation and warehousing	0.0527	0.0990	0.1082	0.1166	0.1242	0.1314	0.1381	0.1443
SSP3-34	Shelby	All industry total	1.0000	1.8450	1.9797	2.0863	2.1495	2.2002	2.2435	2.2693
SSP3-34	Shelby	Construction	0.0424	0.0783	0.0840	0.0885	0.0912	0.0933	0.0952	0.0963
SSP3-34	Shelby	Manufacturing	0.3992	0.7365	0.7903	0.8329	0.8581	0.8783	0.8956	0.9059
SSP3-34	Shelby	Wholesale trade	0.0341	0.0630	0.0676	0.0712	0.0734	0.0751	0.0766	0.0774
SSP3-34	Shelby	Retail trade	0.0482	0.0889	0.0954	0.1005	0.1036	0.1060	0.1081	0.1093
SSP3-34	Shelby	Transportation and warehousing	0.0527	0.0973	0.1044	0.1100	0.1133	0.1160	0.1183	0.1196
SSP4-26	Shelby	All industry total	1.0000	1.8744	2.0729	2.2741	2.4679	2.6458	2.8079	2.9516
SSP4-26	Shelby	Construction	0.0424	0.0795	0.0879	0.0965	0.1047	0.1122	0.1191	0.1252
SSP4-26	Shelby	Manufacturing	0.3992	0.7483	0.8275	0.9078	0.9852	1.0562	1.1209	1.1783
SSP4-26	Shelby	Wholesale trade	0.0341	0.0640	0.0707	0.0776	0.0842	0.0903	0.0958	0.1007
SSP4-26	Shelby	Retail trade	0.0482	0.0903	0.0999	0.1096	0.1189	0.1275	0.1353	0.1422
SSP4-26	Shelby	Transportation and warehousing	0.0527	0.0988	0.1093	0.1199	0.1301	0.1395	0.1480	0.1556
SSP5-26	Shelby	All industry total	1.0000	1.9210	2.1740	2.4672	2.7714	3.0908	3.4179	3.7670
SSP5-26	Shelby	Construction	0.0424	0.0815	0.0922	0.1047	0.1176	0.1311	0.1450	0.1598
SSP5-26	Shelby	Manufacturing	0.3992	0.7669	0.8679	0.9849	1.1063	1.2338	1.3644	1.5038
SSP5-26	Shelby	Wholesale trade	0.0341	0.0656	0.0742	0.0842	0.0946	0.1055	0.1166	0.1286
SSP5-26	Shelby	Retail trade	0.0482	0.0926	0.1047	0.1189	0.1335	0.1489	0.1647	0.1815
SSP5-26	Shelby	Transportation and warehousing	0.0527	0.1013	0.1146	0.1301	0.1461	0.1630	0.1802	0.1986

# Spencer County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Spencer	All industry total	1.0000	1.2072	1.3386	1.4735	1.6087	1.7385	1.8607	1.9720
SSP1	Spencer	Construction	0.0235	0.0283	0.0314	0.0346	0.0377	0.0408	0.0436	0.0463
SSP1	Spencer	Manufacturing	0.1225	0.1479	0.1640	0.1805	0.1971	0.2130	0.2279	0.2416
SSP1	Spencer	Wholesale trade	0.0401	0.0484	0.0537	0.0591	0.0645	0.0697	0.0746	0.0791
SSP1	Spencer	Retail trade	0.0142	0.0171	0.0190	0.0209	0.0228	0.0247	0.0264	0.0280
SSP1	Spencer	Transportation and warehousing	0.0308	0.0372	0.0412	0.0454	0.0496	0.0536	0.0573	0.0608
SSP2	Spencer	All industry total	1.0000	1.2003	1.3138	1.4175	1.5127	1.6028	1.6879	1.7663
SSP2	Spencer	Construction	0.0235	0.0282	0.0308	0.0333	0.0355	0.0376	0.0396	0.0414
SSP2	Spencer	Manufacturing	0.1225	0.1470	0.1609	0.1736	0.1853	0.1963	0.2068	0.2164
SSP2	Spencer	Wholesale trade	0.0401	0.0481	0.0527	0.0569	0.0607	0.0643	0.0677	0.0709
SSP2	Spencer	Retail trade	0.0142	0.0170	0.0186	0.0201	0.0215	0.0227	0.0240	0.0251
SSP2	Spencer	Transportation and warehousing	0.0308	0.0370	0.0405	0.0437	0.0466	0.0494	0.0520	0.0544
SSP3	Spencer	All industry total	1.0000	1.1788	1.2662	1.3353	1.3910	1.4374	1.4751	1.5007
SSP3	Spencer	Construction	0.0235	0.0277	0.0297	0.0313	0.0326	0.0337	0.0346	0.0352
SSP3	Spencer	Manufacturing	0.1225	0.1444	0.1551	0.1636	0.1704	0.1761	0.1807	0.1838
SSP3	Spencer	Wholesale trade	0.0401	0.0473	0.0508	0.0536	0.0558	0.0577	0.0592	0.0602
SSP3	Spencer	Retail trade	0.0142	0.0167	0.0180	0.0190	0.0197	0.0204	0.0209	0.0213
SSP3	Spencer	Transportation and warehousing	0.0308	0.0363	0.0390	0.0411	0.0429	0.0443	0.0455	0.0462
SSP4	Spencer	All industry total	1.0000	1.1970	1.3228	1.4503	1.5752	1.6899	1.7938	1.8858
SSP4	Spencer	Construction	0.0235	0.0281	0.0310	0.0340	0.0370	0.0396	0.0421	0.0442
SSP4	Spencer	Manufacturing	0.1225	0.1466	0.1620	0.1777	0.1930	0.2070	0.2197	0.2310
SSP4	Spencer	Wholesale trade	0.0401	0.0480	0.0531	0.0582	0.0632	0.0678	0.0720	0.0756
SSP4	Spencer	Retail trade	0.0142	0.0170	0.0188	0.0206	0.0224	0.0240	0.0255	0.0268
SSP4	Spencer	Transportation and warehousing	0.0308	0.0369	0.0408	0.0447	0.0485	0.0521	0.0553	0.0581
SSP5	Spencer	All industry total	1.0000	1.2269	1.3931	1.5845	1.7946	2.0124	2.2426	2.4859
SSP5	Spencer	Construction	0.0235	0.0288	0.0327	0.0372	0.0421	0.0472	0.0526	0.0583
SSP5	Spencer	Manufacturing	0.1225	0.1503	0.1707	0.1941	0.2198	0.2465	0.2747	0.3045
SSP5	Spencer	Wholesale trade	0.0401	0.0492	0.0559	0.0636	0.0720	0.0807	0.0900	0.0997
SSP5	Spencer	Retail trade	0.0142	0.0174	0.0198	0.0225	0.0255	0.0286	0.0318	0.0353
SSP5	Spencer	Transportation and warehousing	0.0308	0.0378	0.0429	0.0488	0.0553	0.0620	0.0691	0.0766
SSP1-26	Spencer	All industry total	1.0000	1.2072	1.3386	1.4735	1.6087	1.7385	1.8607	1.9720
SSP1-26	Spencer	Construction	0.0235	0.0283	0.0314	0.0346	0.0377	0.0408	0.0436	0.0463
SSP1-26	Spencer	Manufacturing	0.1225	0.1479	0.1640	0.1805	0.1971	0.2130	0.2279	0.2416
SSP1-26	Spencer	Wholesale trade	0.0401	0.0484	0.0537	0.0591	0.0645	0.0697	0.0746	0.0791
SSP1-26	Spencer	Retail trade	0.0142	0.0171	0.0190	0.0209	0.0228	0.0247	0.0264	0.0280
SSP1-26	Spencer	Transportation and warehousing	0.0308	0.0372	0.0412	0.0454	0.0496	0.0536	0.0573	0.0608
SSP2-26	Spencer	All industry total	1.0000	1.1988	1.3105	1.4126	1.5047	1.5920	1.6732	1.7482
SSP2-26	Spencer	Construction	0.0235	0.0281	0.0307	0.0331	0.0353	0.0373	0.0392	0.0410
SSP2-26	Spencer	Manufacturing	0.1225	0.1469	0.1605	0.1730	0.1843	0.1950	0.2050	0.2141
SSP2-26	Spencer	Wholesale trade	0.0401	0.0481	0.0526	0.0567	0.0604	0.0639	0.0671	0.0701
SSP2-26	Spencer	Retail trade	0.0142	0.0170	0.0186	0.0201	0.0214	0.0226	0.0237	0.0248
SSP2-26	Spencer	Transportation and warehousing	0.0308	0.0369	0.0404	0.0435	0.0464	0.0491	0.0516	0.0539
SSP3-34	Spencer	All industry total	1.0000	1.1784	1.2644	1.3325	1.3729	1.4052	1.4329	1.4494
SSP3-34	Spencer	Construction	0.0235	0.0276	0.0297	0.0313	0.0322	0.0330	0.0336	0.0340
SSP3-34	Spencer	Manufacturing	0.1225	0.1443	0.1549	0.1632	0.1682	0.1721	0.1755	0.1775
SSP3-34	Spencer	Wholesale trade	0.0401	0.0473	0.0507	0.0535	0.0551	0.0564	0.0575	0.0581
SSP3-34	Spencer	Retail trade	0.0142	0.0167	0.0179	0.0189	0.0195	0.0199	0.0203	0.0206
SSP3-34	Spencer	Transportation and warehousing	0.0308	0.0363	0.0390	0.0411	0.0423	0.0433	0.0442	0.0447
SSP4-26	Spencer	All industry total	1.0000	1.1972	1.3239	1.4524	1.5762	1.6898	1.7934	1.8851
SSP4-26	Spencer	Construction	0.0235	0.0281	0.0311	0.0341	0.0370	0.0396	0.0421	0.0442
SSP4-26	Spencer	Manufacturing	0.1225	0.1466	0.1622	0.1779	0.1931	0.2070	0.2197	0.2309
SSP4-26	Spencer	Wholesale trade	0.0401	0.0480	0.0531	0.0583	0.0632	0.0678	0.0719	0.0756
SSP4-26	Spencer	Retail trade	0.0142	0.0170	0.0188	0.0206	0.0224	0.0240	0.0255	0.0268
SSP4-26	Spencer	Transportation and warehousing	0.0308	0.0369	0.0408	0.0448	0.0486	0.0521	0.0553	0.0581
SSP5-26	Spencer	All industry total	1.0000	1.2269	1.3885	1.5757	1.7701	1.9740	2.1830	2.4059
SSP5-26	Spencer	Construction	0.0235	0.0288	0.0326	0.0370	0.0415	0.0463	0.0512	0.0564
SSP5-26	Spencer	Manufacturing	0.1225	0.1503	0.1701	0.1930	0.2168	0.2418	0.2674	0.2947
SSP5-26	Spencer	Wholesale trade	0.0401	0.0492	0.0557	0.0632	0.0710	0.0792	0.0876	0.0965
SSP5-26	Spencer	Retail trade	0.0142	0.0174	0.0197	0.0224	0.0251	0.0280	0.0310	0.0341
SSP5-26	Spencer	Transportation and warehousing	0.0308	0.0378	0.0428	0.0486	0.0545	0.0608	0.0673	0.0741

## Starke County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Starke	All industry total	1.0000	0.4337	0.4809	0.5294	0.5780	0.6246	0.6685	0.7085
SSP1	Starke	Construction	0.0307	0.0133	0.0148	0.0163	0.0177	0.0192	0.0205	0.0218
SSP1	Starke	Manufacturing	0.2100	0.0911	0.1010	0.1112	0.1214	0.1312	0.1404	0.1488
SSP1	Starke	Wholesale trade	0.0371	0.0161	0.0178	0.0196	0.0214	0.0232	0.0248	0.0263
SSP1	Starke	Retail trade	0.0689	0.0299	0.0331	0.0365	0.0398	0.0430	0.0460	0.0488
SSP1	Starke	Transportation and warehousing	0.0383	0.0166	0.0184	0.0203	0.0221	0.0239	0.0256	0.0271
SSP2	Starke	All industry total	1.0000	0.4313	0.4720	0.5093	0.5435	0.5759	0.6064	0.6346
SSP2	Starke	Construction	0.0307	0.0132	0.0145	0.0156	0.0167	0.0177	0.0186	0.0195
SSP2	Starke	Manufacturing	0.2100	0.0906	0.0991	0.1069	0.1141	0.1209	0.1273	0.1333
SSP2	Starke	Wholesale trade	0.0371	0.0160	0.0175	0.0189	0.0201	0.0213	0.0225	0.0235
SSP2	Starke	Retail trade	0.0689	0.0297	0.0325	0.0351	0.0374	0.0397	0.0418	0.0437
SSP2	Starke	Transportation and warehousing	0.0383	0.0165	0.0181	0.0195	0.0208	0.0221	0.0232	0.0243
SSP3	Starke	All industry total	1.0000	0.4235	0.4549	0.4798	0.4998	0.5164	0.5300	0.5392
SSP3	Starke	Construction	0.0307	0.0130	0.0140	0.0147	0.0153	0.0159	0.0163	0.0166
SSP3	Starke	Manufacturing	0.2100	0.0889	0.0955	0.1007	0.1049	0.1084	0.1113	0.1132
SSP3	Starke	Wholesale trade	0.0371	0.0157	0.0169	0.0178	0.0185	0.0191	0.0196	0.0200
SSP3	Starke	Retail trade	0.0689	0.0292	0.0313	0.0330	0.0344	0.0356	0.0365	0.0371
SSP3	Starke	Transportation and warehousing	0.0383	0.0162	0.0174	0.0184	0.0191	0.0198	0.0203	0.0207
SSP4	Starke	All industry total	1.0000	0.4301	0.4752	0.5211	0.5660	0.6072	0.6445	0.6776
SSP4	Starke	Construction	0.0307	0.0132	0.0146	0.0160	0.0174	0.0186	0.0198	0.0208
SSP4	Starke	Manufacturing	0.2100	0.0903	0.0998	0.1094	0.1188	0.1275	0.1353	0.1423
SSP4	Starke	Wholesale trade	0.0371	0.0159	0.0176	0.0193	0.0210	0.0225	0.0239	0.0251
SSP4	Starke	Retail trade	0.0689	0.0296	0.0327	0.0359	0.0390	0.0418	0.0444	0.0467
SSP4	Starke	Transportation and warehousing	0.0383	0.0165	0.0182	0.0200	0.0217	0.0233	0.0247	0.0260
SSP5	Starke	All industry total	1.0000	0.4408	0.5005	0.5693	0.6448	0.7230	0.8057	0.8931
SSP5	Starke	Construction	0.0307	0.0135	0.0154	0.0175	0.0198	0.0222	0.0247	0.0274
SSP5	Starke	Manufacturing	0.2100	0.0926	0.1051	0.1195	0.1354	0.1518	0.1692	0.1876
SSP5	Starke	Wholesale trade	0.0371	0.0163	0.0186	0.0211	0.0239	0.0268	0.0299	0.0331
SSP5	Starke	Retail trade	0.0689	0.0304	0.0345	0.0392	0.0444	0.0498	0.0555	0.0615
SSP5	Starke	Transportation and warehousing	0.0383	0.0169	0.0192	0.0218	0.0247	0.0277	0.0309	0.0342
SSP1-26	Starke	All industry total	1.0000	0.4337	0.4809	0.5294	0.5780	0.6246	0.6685	0.7085
SSP1-26	Starke	Construction	0.0307	0.0133	0.0148	0.0163	0.0177	0.0192	0.0205	0.0218
SSP1-26	Starke	Manufacturing	0.2100	0.0911	0.1010	0.1112	0.1214	0.1312	0.1404	0.1488
SSP1-26	Starke	Wholesale trade	0.0371	0.0161	0.0178	0.0196	0.0214	0.0232	0.0248	0.0263
SSP1-26	Starke	Retail trade	0.0689	0.0299	0.0331	0.0365	0.0398	0.0430	0.0460	0.0488
SSP1-26	Starke	Transportation and warehousing	0.0383	0.0166	0.0184	0.0203	0.0221	0.0239	0.0256	0.0271
SSP2-26	Starke	All industry total	1.0000	0.4307	0.4708	0.5075	0.5406	0.5720	0.6012	0.6281
SSP2-26	Starke	Construction	0.0307	0.0132	0.0145	0.0156	0.0166	0.0176	0.0185	0.0193
SSP2-26	Starke	Manufacturing	0.2100	0.0904	0.0989	0.1066	0.1135	0.1201	0.1262	0.1319
SSP2-26	Starke	Wholesale trade	0.0371	0.0160	0.0175	0.0188	0.0200	0.0212	0.0223	0.0233
SSP2-26	Starke	Retail trade	0.0689	0.0297	0.0324	0.0350	0.0372	0.0394	0.0414	0.0433
SSP2-26	Starke	Transportation and warehousing	0.0383	0.0165	0.0180	0.0194	0.0207	0.0219	0.0230	0.0241
SSP3-34	Starke	All industry total	1.0000	0.4234	0.4543	0.4787	0.4932	0.5049	0.5148	0.5207
SSP3-34	Starke	Construction	0.0307	0.0130	0.0139	0.0147	0.0151	0.0155	0.0158	0.0160
SSP3-34	Starke	Manufacturing	0.2100	0.0889	0.0954	0.1005	0.1036	0.1060	0.1081	0.1094
SSP3-34	Starke	Wholesale trade	0.0371	0.0157	0.0168	0.0177	0.0183	0.0187	0.0191	0.0193
SSP3-34	Starke	Retail trade	0.0689	0.0292	0.0313	0.0330	0.0340	0.0348	0.0355	0.0359
SSP3-34	Starke	Transportation and warehousing	0.0383	0.0162	0.0174	0.0183	0.0189	0.0193	0.0197	0.0200
SSP4-26	Starke	All industry total	1.0000	0.4301	0.4757	0.5218	0.5663	0.6071	0.6443	0.6773
SSP4-26	Starke	Construction	0.0307	0.0132	0.0146	0.0160	0.0174	0.0186	0.0198	0.0208
SSP4-26	Starke	Manufacturing	0.2100	0.0903	0.0999	0.1096	0.1189	0.1275	0.1353	0.1422
SSP4-26	Starke	Wholesale trade	0.0371	0.0159	0.0176	0.0193	0.0210	0.0225	0.0239	0.0251
SSP4-26	Starke	Retail trade	0.0689	0.0296	0.0328	0.0359	0.0390	0.0418	0.0444	0.0467
SSP4-26	Starke	Transportation and warehousing	0.0383	0.0165	0.0182	0.0200	0.0217	0.0233	0.0247	0.0259
SSP5-26	Starke	All industry total	1.0000	0.4408	0.4989	0.5661	0.6360	0.7092	0.7843	0.8644
SSP5-26	Starke	Construction	0.0307	0.0135	0.0153	0.0174	0.0195	0.0218	0.0241	0.0265
SSP5-26	Starke	Manufacturing	0.2100	0.0926	0.1048	0.1189	0.1335	0.1489	0.1647	0.1815
SSP5-26	Starke	Wholesale trade	0.0371	0.0163	0.0185	0.0210	0.0236	0.0263	0.0291	0.0320
SSP5-26	Starke	Retail trade	0.0689	0.0304	0.0344	0.0390	0.0438	0.0489	0.0540	0.0595
SSP5-26	Starke	Transportation and warehousing	0.0383	0.0169	0.0191	0.0217	0.0244	0.0272	0.0300	0.0331

## Sullivan County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Sullivan	All industry total	1.0000	0.9243	1.0249	1.1283	1.2318	1.3311	1.4247	1.5099
SSP1	Sullivan	Construction	0.0128	0.0118	0.0131	0.0145	0.0158	0.0170	0.0182	0.0193
SSP1	Sullivan	Manufacturing	0.0971	0.0898	0.0995	0.1096	0.1196	0.1293	0.1384	0.1466
SSP1	Sullivan	Wholesale trade	0.0233	0.0215	0.0238	0.0262	0.0286	0.0310	0.0331	0.0351
SSP1	Sullivan	Retail trade	0.0338	0.0312	0.0347	0.0381	0.0416	0.0450	0.0482	0.0510
SSP1	Sullivan	Transportation and warehousing	0.0466	0.0430	0.0477	0.0525	0.0574	0.0620	0.0663	0.0703
SSP2	Sullivan	All industry total	1.0000	0.9191	1.0059	1.0854	1.1582	1.2272	1.2924	1.3524
SSP2	Sullivan	Construction	0.0128	0.0118	0.0129	0.0139	0.0148	0.0157	0.0166	0.0173
SSP2	Sullivan	Manufacturing	0.0971	0.0893	0.0977	0.1054	0.1125	0.1192	0.1255	0.1313
SSP2	Sullivan	Wholesale trade	0.0233	0.0214	0.0234	0.0252	0.0269	0.0285	0.0301	0.0315
SSP2	Sullivan	Retail trade	0.0338	0.0311	0.0340	0.0367	0.0392	0.0415	0.0437	0.0457
SSP2	Sullivan	Transportation and warehousing	0.0466	0.0428	0.0468	0.0505	0.0539	0.0571	0.0602	0.0630
SSP3	Sullivan	All industry total	1.0000	0.9026	0.9695	1.0224	1.0650	1.1006	1.1295	1.1491
SSP3	Sullivan	Construction	0.0128	0.0116	0.0124	0.0131	0.0136	0.0141	0.0145	0.0147
SSP3	Sullivan	Manufacturing	0.0971	0.0877	0.0942	0.0993	0.1034	0.1069	0.1097	0.1116
SSP3	Sullivan	Wholesale trade	0.0233	0.0210	0.0225	0.0238	0.0248	0.0256	0.0263	0.0267
SSP3	Sullivan	Retail trade	0.0338	0.0305	0.0328	0.0346	0.0360	0.0372	0.0382	0.0388
SSP3	Sullivan	Transportation and warehousing	0.0466	0.0420	0.0451	0.0476	0.0496	0.0512	0.0526	0.0535
SSP4	Sullivan	All industry total	1.0000	0.9165	1.0128	1.1105	1.2061	1.2939	1.3735	1.4440
SSP4	Sullivan	Construction	0.0128	0.0117	0.0130	0.0142	0.0154	0.0166	0.0176	0.0185
SSP4	Sullivan	Manufacturing	0.0971	0.0890	0.0984	0.1079	0.1171	0.1257	0.1334	0.1402
SSP4	Sullivan	Wholesale trade	0.0233	0.0213	0.0236	0.0258	0.0281	0.0301	0.0319	0.0336
SSP4	Sullivan	Retail trade	0.0338	0.0310	0.0342	0.0375	0.0408	0.0437	0.0464	0.0488
SSP4	Sullivan	Transportation and warehousing	0.0466	0.0427	0.0472	0.0517	0.0562	0.0603	0.0640	0.0672
SSP5	Sullivan	All industry total	1.0000	0.9394	1.0667	1.2132	1.3741	1.5409	1.7171	1.9034
SSP5	Sullivan	Construction	0.0128	0.0120	0.0137	0.0155	0.0176	0.0197	0.0220	0.0244
SSP5	Sullivan	Manufacturing	0.0971	0.0912	0.1036	0.1178	0.1335	0.1497	0.1668	0.1849
SSP5	Sullivan	Wholesale trade	0.0233	0.0218	0.0248	0.0282	0.0320	0.0358	0.0399	0.0443
SSP5	Sullivan	Retail trade	0.0338	0.0318	0.0361	0.0410	0.0465	0.0521	0.0581	0.0644
SSP5	Sullivan	Transportation and warehousing	0.0466	0.0437	0.0497	0.0565	0.0640	0.0717	0.0800	0.0886
SSP1-26	Sullivan	All industry total	1.0000	0.9243	1.0249	1.1283	1.2318	1.3311	1.4247	1.5099
SSP1-26	Sullivan	Construction	0.0128	0.0118	0.0131	0.0145	0.0158	0.0170	0.0182	0.0193
SSP1-26	Sullivan	Manufacturing	0.0971	0.0898	0.0995	0.1096	0.1196	0.1293	0.1384	0.1466
SSP1-26	Sullivan	Wholesale trade	0.0233	0.0215	0.0238	0.0262	0.0286	0.0310	0.0331	0.0351
SSP1-26	Sullivan	Retail trade	0.0338	0.0312	0.0347	0.0381	0.0416	0.0450	0.0482	0.0510
SSP1-26	Sullivan	Transportation and warehousing	0.0466	0.0430	0.0477	0.0525	0.0574	0.0620	0.0663	0.0703
SSP2-26	Sullivan	All industry total	1.0000	0.9179	1.0034	1.0816	1.1521	1.2190	1.2812	1.3385
SSP2-26	Sullivan	Construction	0.0128	0.0118	0.0129	0.0139	0.0148	0.0156	0.0164	0.0171
SSP2-26	Sullivan	Manufacturing	0.0971	0.0891	0.0975	0.1050	0.1119	0.1184	0.1244	0.1300
SSP2-26	Sullivan	Wholesale trade	0.0233	0.0213	0.0233	0.0252	0.0268	0.0283	0.0298	0.0311
SSP2-26	Sullivan	Retail trade	0.0338	0.0310	0.0339	0.0366	0.0390	0.0412	0.0433	0.0453
SSP2-26	Sullivan	Transportation and warehousing	0.0466	0.0427	0.0467	0.0504	0.0536	0.0568	0.0597	0.0623
SSP3-34	Sullivan	All industry total	1.0000	0.9022	0.9681	1.0203	1.0512	1.0760	1.0971	1.1097
SSP3-34	Sullivan	Construction	0.0128	0.0116	0.0124	0.0131	0.0135	0.0138	0.0141	0.0142
SSP3-34	Sullivan	Manufacturing	0.0971	0.0876	0.0940	0.0991	0.1021	0.1045	0.1066	0.1078
SSP3-34	Sullivan	Wholesale trade	0.0233	0.0210	0.0225	0.0237	0.0244	0.0250	0.0255	0.0258
SSP3-34	Sullivan	Retail trade	0.0338	0.0305	0.0327	0.0345	0.0355	0.0364	0.0371	0.0375
SSP3-34	Sullivan	Transportation and warehousing	0.0466	0.0420	0.0451	0.0475	0.0489	0.0501	0.0511	0.0517
SSP4-26	Sullivan	All industry total	1.0000	0.9166	1.0137	1.1121	1.2068	1.2939	1.3731	1.4434
SSP4-26	Sullivan	Construction	0.0128	0.0117	0.0130	0.0142	0.0155	0.0166	0.0176	0.0185
SSP4-26	Sullivan	Manufacturing	0.0971	0.0890	0.0985	0.1080	0.1172	0.1257	0.1334	0.1402
SSP4-26	Sullivan	Wholesale trade	0.0233	0.0213	0.0236	0.0259	0.0281	0.0301	0.0319	0.0336
SSP4-26	Sullivan	Retail trade	0.0338	0.0310	0.0343	0.0376	0.0408	0.0437	0.0464	0.0488
SSP4-26	Sullivan	Transportation and warehousing	0.0466	0.0427	0.0472	0.0518	0.0562	0.0602	0.0639	0.0672
SSP5-26	Sullivan	All industry total	1.0000	0.9394	1.0631	1.2065	1.3553	1.5115	1.6714	1.8422
SSP5-26	Sullivan	Construction	0.0128	0.0120	0.0136	0.0155	0.0174	0.0194	0.0214	0.0236
SSP5-26	Sullivan	Manufacturing	0.0971	0.0912	0.1033	0.1172	0.1316	0.1468	0.1623	0.1789
SSP5-26	Sullivan	Wholesale trade	0.0233	0.0218	0.0247	0.0281	0.0315	0.0352	0.0389	0.0428
SSP5-26	Sullivan	Retail trade	0.0338	0.0318	0.0359	0.0408	0.0458	0.0511	0.0565	0.0623
SSP5-26	Sullivan	Transportation and warehousing	0.0466	0.0437	0.0495	0.0562	0.0631	0.0704	0.0778	0.0858

## Tipton County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Tipton	All industry total	1.0000	0.5037	0.5586	0.6149	0.6713	0.7254	0.7764	0.8229
SSP1	Tipton	Construction	0.0463	0.0233	0.0259	0.0285	0.0311	0.0336	0.0360	0.0381
SSP1	Tipton	Manufacturing	0.2728	0.1374	0.1524	0.1677	0.1831	0.1979	0.2118	0.2245
SSP1	Tipton	Wholesale trade	0.0430	0.0217	0.0240	0.0264	0.0289	0.0312	0.0334	0.0354
SSP1	Tipton	Retail trade	0.2186	0.1101	0.1221	0.1344	0.1467	0.1585	0.1697	0.1798
SSP1	Tipton	Transportation and warehousing	0.0146	0.0074	0.0082	0.0090	0.0098	0.0106	0.0114	0.0120
SSP2	Tipton	All industry total	1.0000	0.5009	0.5482	0.5915	0.6312	0.6688	0.7043	0.7370
SSP2	Tipton	Construction	0.0463	0.0232	0.0254	0.0274	0.0292	0.0310	0.0326	0.0341
SSP2	Tipton	Manufacturing	0.2728	0.1366	0.1495	0.1614	0.1722	0.1824	0.1921	0.2011
SSP2	Tipton	Wholesale trade	0.0430	0.0215	0.0236	0.0254	0.0271	0.0288	0.0303	0.0317
SSP2	Tipton	Retail trade	0.2186	0.1095	0.1198	0.1293	0.1379	0.1462	0.1539	0.1611
SSP2	Tipton	Transportation and warehousing	0.0146	0.0073	0.0080	0.0087	0.0092	0.0098	0.0103	0.0108
SSP3	Tipton	All industry total	1.0000	0.4919	0.5283	0.5572	0.5804	0.5998	0.6155	0.6262
SSP3	Tipton	Construction	0.0463	0.0228	0.0245	0.0258	0.0269	0.0278	0.0285	0.0290
SSP3	Tipton	Manufacturing	0.2728	0.1342	0.1441	0.1520	0.1583	0.1636	0.1679	0.1708
SSP3	Tipton	Wholesale trade	0.0430	0.0212	0.0227	0.0240	0.0250	0.0258	0.0265	0.0269
SSP3	Tipton	Retail trade	0.2186	0.1075	0.1155	0.1218	0.1268	0.1311	0.1345	0.1369
SSP3	Tipton	Transportation and warehousing	0.0146	0.0072	0.0077	0.0082	0.0085	0.0088	0.0090	0.0092
SSP4	Tipton	All industry total	1.0000	0.4995	0.5519	0.6052	0.6573	0.7052	0.7485	0.7869
SSP4	Tipton	Construction	0.0463	0.0231	0.0256	0.0280	0.0304	0.0327	0.0347	0.0365
SSP4	Tipton	Manufacturing	0.2728	0.1363	0.1506	0.1651	0.1793	0.1924	0.2042	0.2147
SSP4	Tipton	Wholesale trade	0.0430	0.0215	0.0237	0.0260	0.0283	0.0303	0.0322	0.0338
SSP4	Tipton	Retail trade	0.2186	0.1092	0.1206	0.1323	0.1437	0.1541	0.1636	0.1720
SSP4	Tipton	Transportation and warehousing	0.0146	0.0073	0.0081	0.0089	0.0096	0.0103	0.0110	0.0115
SSP5	Tipton	All industry total	1.0000	0.5120	0.5813	0.6612	0.7488	0.8397	0.9358	1.0373
SSP5	Tipton	Construction	0.0463	0.0237	0.0269	0.0306	0.0347	0.0389	0.0433	0.0480
SSP5	Tipton	Manufacturing	0.2728	0.1397	0.1586	0.1804	0.2043	0.2291	0.2553	0.2830
SSP5	Tipton	Wholesale trade	0.0430	0.0220	0.0250	0.0284	0.0322	0.0361	0.0403	0.0446
SSP5	Tipton	Retail trade	0.2186	0.1119	0.1270	0.1445	0.1637	0.1835	0.2045	0.2267
SSP5	Tipton	Transportation and warehousing	0.0146	0.0075	0.0085	0.0097	0.0110	0.0123	0.0137	0.0152
SSP1-26	Tipton	All industry total	1.0000	0.5037	0.5586	0.6149	0.6713	0.7254	0.7764	0.8229
SSP1-26	Tipton	Construction	0.0463	0.0233	0.0259	0.0285	0.0311	0.0336	0.0360	0.0381
SSP1-26	Tipton	Manufacturing	0.2728	0.1374	0.1524	0.1677	0.1831	0.1979	0.2118	0.2245
SSP1-26	Tipton	Wholesale trade	0.0430	0.0217	0.0240	0.0264	0.0289	0.0312	0.0334	0.0354
SSP1-26	Tipton	Retail trade	0.2186	0.1101	0.1221	0.1344	0.1467	0.1585	0.1697	0.1798
SSP1-26	Tipton	Transportation and warehousing	0.0146	0.0074	0.0082	0.0090	0.0098	0.0106	0.0114	0.0120
SSP2-26	Tipton	All industry total	1.0000	0.5002	0.5468	0.5894	0.6279	0.6643	0.6982	0.7295
SSP2-26	Tipton	Construction	0.0463	0.0232	0.0253	0.0273	0.0291	0.0308	0.0323	0.0338
SSP2-26	Tipton	Manufacturing	0.2728	0.1365	0.1492	0.1608	0.1713	0.1812	0.1905	0.1990
SSP2-26	Tipton	Wholesale trade	0.0430	0.0215	0.0235	0.0254	0.0270	0.0286	0.0300	0.0314
SSP2-26	Tipton	Retail trade	0.2186	0.1093	0.1195	0.1288	0.1372	0.1452	0.1526	0.1594
SSP2-26	Tipton	Transportation and warehousing	0.0146	0.0073	0.0080	0.0086	0.0092	0.0097	0.0102	0.0107
SSP3-34	Tipton	All industry total	1.0000	0.4917	0.5276	0.5560	0.5728	0.5864	0.5979	0.6048
SSP3-34	Tipton	Construction	0.0463	0.0228	0.0244	0.0258	0.0265	0.0272	0.0277	0.0280
SSP3-34	Tipton	Manufacturing	0.2728	0.1341	0.1439	0.1517	0.1563	0.1600	0.1631	0.1650
SSP3-34	Tipton	Wholesale trade	0.0430	0.0211	0.0227	0.0239	0.0246	0.0252	0.0257	0.0260
SSP3-34	Tipton	Retail trade	0.2186	0.1075	0.1153	0.1215	0.1252	0.1281	0.1307	0.1322
SSP3-34	Tipton	Transportation and warehousing	0.0146	0.0072	0.0077	0.0081	0.0084	0.0086	0.0088	0.0089
SSP4-26	Tipton	All industry total	1.0000	0.4995	0.5524	0.6061	0.6577	0.7051	0.7483	0.7866
SSP4-26	Tipton	Construction	0.0463	0.0231	0.0256	0.0281	0.0305	0.0327	0.0347	0.0364
SSP4-26	Tipton	Manufacturing	0.2728	0.1363	0.1507	0.1653	0.1794	0.1924	0.2041	0.2146
SSP4-26	Tipton	Wholesale trade	0.0430	0.0215	0.0238	0.0261	0.0283	0.0303	0.0322	0.0338
SSP4-26	Tipton	Retail trade	0.2186	0.1092	0.1207	0.1325	0.1437	0.1541	0.1635	0.1719
SSP4-26	Tipton	Transportation and warehousing	0.0146	0.0073	0.0081	0.0089	0.0096	0.0103	0.0110	0.0115
SSP5-26	Tipton	All industry total	1.0000	0.5120	0.5794	0.6575	0.7386	0.8237	0.9109	1.0039
SSP5-26	Tipton	Construction	0.0463	0.0237	0.0268	0.0305	0.0342	0.0382	0.0422	0.0465
SSP5-26	Tipton	Manufacturing	0.2728	0.1397	0.1581	0.1794	0.2015	0.2247	0.2485	0.2739
SSP5-26	Tipton	Wholesale trade	0.0430	0.0220	0.0249	0.0283	0.0318	0.0354	0.0392	0.0432
SSP5-26	Tipton	Retail trade	0.2186	0.1119	0.1266	0.1437	0.1614	0.1800	0.1991	0.2194
SSP5-26	Tipton	Transportation and warehousing	0.0146	0.0075	0.0085	0.0096	0.0108	0.0121	0.0133	0.0147

## Vermillion County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Vermillion	All industry total	1.0000	0.7611	0.8440	0.9291	1.0143	1.0961	1.1732	1.2434
SSP1	Vermillion	Construction	0.0663	0.0505	0.0560	0.0616	0.0673	0.0727	0.0778	0.0825
SSP1	Vermillion	Manufacturing	0.2282	0.1737	0.1926	0.2120	0.2315	0.2501	0.2677	0.2837
SSP1	Vermillion	Wholesale trade	0.0178	0.0136	0.0150	0.0166	0.0181	0.0195	0.0209	0.0222
SSP1	Vermillion	Retail trade	0.0388	0.0295	0.0327	0.0360	0.0393	0.0425	0.0455	0.0482
SSP1	Vermillion	Transportation and warehousing	0.0333	0.0253	0.0281	0.0309	0.0338	0.0365	0.0390	0.0414
SSP2	Vermillion	All industry total	1.0000	0.7568	0.8283	0.8938	0.9537	1.0106	1.0642	1.1137
SSP2	Vermillion	Construction	0.0663	0.0502	0.0550	0.0593	0.0633	0.0670	0.0706	0.0739
SSP2	Vermillion	Manufacturing	0.2282	0.1727	0.1890	0.2040	0.2176	0.2306	0.2429	0.2541
SSP2	Vermillion	Wholesale trade	0.0178	0.0135	0.0148	0.0159	0.0170	0.0180	0.0190	0.0198
SSP2	Vermillion	Retail trade	0.0388	0.0293	0.0321	0.0346	0.0370	0.0392	0.0412	0.0432
SSP2	Vermillion	Transportation and warehousing	0.0333	0.0252	0.0276	0.0297	0.0317	0.0336	0.0354	0.0371
SSP3	Vermillion	All industry total	1.0000	0.7432	0.7983	0.8419	0.8770	0.9063	0.9301	0.9462
SSP3	Vermillion	Construction	0.0663	0.0493	0.0530	0.0559	0.0582	0.0601	0.0617	0.0628
SSP3	Vermillion	Manufacturing	0.2282	0.1696	0.1822	0.1921	0.2001	0.2068	0.2122	0.2159
SSP3	Vermillion	Wholesale trade	0.0178	0.0132	0.0142	0.0150	0.0156	0.0161	0.0166	0.0169
SSP3	Vermillion	Retail trade	0.0388	0.0288	0.0309	0.0326	0.0340	0.0351	0.0360	0.0367
SSP3	Vermillion	Transportation and warehousing	0.0333	0.0247	0.0266	0.0280	0.0292	0.0302	0.0310	0.0315
SSP4	Vermillion	All industry total	1.0000	0.7547	0.8340	0.9144	0.9932	1.0655	1.1310	1.1890
SSP4	Vermillion	Construction	0.0663	0.0501	0.0553	0.0607	0.0659	0.0707	0.0750	0.0789
SSP4	Vermillion	Manufacturing	0.2282	0.1722	0.1903	0.2087	0.2266	0.2432	0.2581	0.2713
SSP4	Vermillion	Wholesale trade	0.0178	0.0134	0.0149	0.0163	0.0177	0.0190	0.0202	0.0212
SSP4	Vermillion	Retail trade	0.0388	0.0293	0.0323	0.0354	0.0385	0.0413	0.0438	0.0461
SSP4	Vermillion	Transportation and warehousing	0.0333	0.0251	0.0278	0.0304	0.0331	0.0355	0.0376	0.0396
SSP5	Vermillion	All industry total	1.0000	0.7736	0.8784	0.9991	1.1315	1.2688	1.4140	1.5674
SSP5	Vermillion	Construction	0.0663	0.0513	0.0583	0.0663	0.0751	0.0842	0.0938	0.1040
SSP5	Vermillion	Manufacturing	0.2282	0.1765	0.2005	0.2280	0.2582	0.2896	0.3227	0.3577
SSP5	Vermillion	Wholesale trade	0.0178	0.0138	0.0157	0.0178	0.0202	0.0226	0.0252	0.0279
SSP5	Vermillion	Retail trade	0.0388	0.0300	0.0340	0.0387	0.0439	0.0492	0.0548	0.0608
SSP5	Vermillion	Transportation and warehousing	0.0333	0.0257	0.0292	0.0333	0.0377	0.0422	0.0471	0.0522
SSP1-26	Vermillion	All industry total	1.0000	0.7611	0.8440	0.9291	1.0143	1.0961	1.1732	1.2434
SSP1-26	Vermillion	Construction	0.0663	0.0505	0.0560	0.0616	0.0673	0.0727	0.0778	0.0825
SSP1-26	Vermillion	Manufacturing	0.2282	0.1737	0.1926	0.2120	0.2315	0.2501	0.2677	0.2837
SSP1-26	Vermillion	Wholesale trade	0.0178	0.0136	0.0150	0.0166	0.0181	0.0195	0.0209	0.0222
SSP1-26	Vermillion	Retail trade	0.0388	0.0295	0.0327	0.0360	0.0393	0.0425	0.0455	0.0482
SSP1-26	Vermillion	Transportation and warehousing	0.0333	0.0253	0.0281	0.0309	0.0338	0.0365	0.0390	0.0414
SSP2-26	Vermillion	All industry total	1.0000	0.7559	0.8263	0.8907	0.9487	1.0038	1.0550	1.1022
SSP2-26	Vermillion	Construction	0.0663	0.0502	0.0548	0.0591	0.0629	0.0666	0.0700	0.0731
SSP2-26	Vermillion	Manufacturing	0.2282	0.1725	0.1886	0.2033	0.2165	0.2291	0.2408	0.2515
SSP2-26	Vermillion	Wholesale trade	0.0178	0.0135	0.0147	0.0159	0.0169	0.0179	0.0188	0.0196
SSP2-26	Vermillion	Retail trade	0.0388	0.0293	0.0320	0.0345	0.0368	0.0389	0.0409	0.0427
SSP2-26	Vermillion	Transportation and warehousing	0.0333	0.0252	0.0275	0.0296	0.0316	0.0334	0.0351	0.0367
SSP3-34	Vermillion	All industry total	1.0000	0.7430	0.7972	0.8401	0.8656	0.8860	0.9034	0.9138
SSP3-34	Vermillion	Construction	0.0663	0.0493	0.0529	0.0557	0.0574	0.0588	0.0599	0.0606
SSP3-34	Vermillion	Manufacturing	0.2282	0.1695	0.1819	0.1917	0.1975	0.2022	0.2062	0.2085
SSP3-34	Vermillion	Wholesale trade	0.0178	0.0132	0.0142	0.0150	0.0154	0.0158	0.0161	0.0163
SSP3-34	Vermillion	Retail trade	0.0388	0.0288	0.0309	0.0326	0.0336	0.0343	0.0350	0.0354
SSP3-34	Vermillion	Transportation and warehousing	0.0333	0.0247	0.0265	0.0280	0.0288	0.0295	0.0301	0.0304
SSP4-26	Vermillion	All industry total	1.0000	0.7548	0.8348	0.9158	0.9938	1.0654	1.1307	1.1886
SSP4-26	Vermillion	Construction	0.0663	0.0501	0.0554	0.0608	0.0659	0.0707	0.0750	0.0789
SSP4-26	Vermillion	Manufacturing	0.2282	0.1723	0.1905	0.2090	0.2268	0.2431	0.2580	0.2712
SSP4-26	Vermillion	Wholesale trade	0.0178	0.0135	0.0149	0.0163	0.0177	0.0190	0.0201	0.0212
SSP4-26	Vermillion	Retail trade	0.0388	0.0293	0.0324	0.0355	0.0385	0.0413	0.0438	0.0461
SSP4-26	Vermillion	Transportation and warehousing	0.0333	0.0251	0.0278	0.0305	0.0331	0.0355	0.0376	0.0396
SSP5-26	Vermillion	All industry total	1.0000	0.7736	0.8755	0.9935	1.1160	1.2446	1.3764	1.5169
SSP5-26	Vermillion	Construction	0.0663	0.0513	0.0581	0.0659	0.0740	0.0826	0.0913	0.1006
SSP5-26	Vermillion	Manufacturing	0.2282	0.1765	0.1998	0.2267	0.2547	0.2840	0.3141	0.3462
SSP5-26	Vermillion	Wholesale trade	0.0178	0.0138	0.0156	0.0177	0.0199	0.0222	0.0245	0.0270
SSP5-26	Vermillion	Retail trade	0.0388	0.0300	0.0339	0.0385	0.0433	0.0482	0.0533	0.0588
SSP5-26	Vermillion	Transportation and warehousing	0.0333	0.0257	0.0291	0.0331	0.0371	0.0414	0.0458	0.0505

## Vigo County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Vigo	All industry total	1.0000	4.5570	5.0531	5.5625	6.0728	6.5626	7.0239	7.4443
SSP1	Vigo	Construction	0.0397	0.1809	0.2006	0.2208	0.2411	0.2605	0.2788	0.2955
SSP1	Vigo	Manufacturing	0.2524	1.1503	1.2756	1.4041	1.5330	1.6566	1.7730	1.8792
SSP1	Vigo	Wholesale trade	0.0309	0.1410	0.1564	0.1721	0.1879	0.2031	0.2173	0.2304
SSP1	Vigo	Retail trade	0.0668	0.3044	0.3376	0.3716	0.4057	0.4384	0.4692	0.4973
SSP1	Vigo	Transportation and warehousing	0.0208	0.0946	0.1049	0.1154	0.1260	0.1362	0.1458	0.1545
SSP2	Vigo	All industry total	1.0000	4.5312	4.9594	5.3511	5.7102	6.0504	6.3716	6.6677
SSP2	Vigo	Construction	0.0397	0.1799	0.1969	0.2124	0.2267	0.2402	0.2529	0.2647
SSP2	Vigo	Manufacturing	0.2524	1.1438	1.2519	1.3508	1.4414	1.5273	1.6084	1.6831
SSP2	Vigo	Wholesale trade	0.0309	0.1402	0.1535	0.1656	0.1767	0.1872	0.1972	0.2063
SSP2	Vigo	Retail trade	0.0668	0.3027	0.3313	0.3575	0.3815	0.4042	0.4256	0.4454
SSP2	Vigo	Transportation and warehousing	0.0208	0.0940	0.1029	0.1110	0.1185	0.1256	0.1322	0.1384
SSP3	Vigo	All industry total	1.0000	4.4499	4.7797	5.0408	5.2508	5.4260	5.5684	5.6652
SSP3	Vigo	Construction	0.0397	0.1766	0.1897	0.2001	0.2084	0.2154	0.2210	0.2249
SSP3	Vigo	Manufacturing	0.2524	1.1233	1.2065	1.2724	1.3255	1.3697	1.4056	1.4301
SSP3	Vigo	Wholesale trade	0.0309	0.1377	0.1479	0.1560	0.1625	0.1679	0.1723	0.1753
SSP3	Vigo	Retail trade	0.0668	0.2973	0.3193	0.3367	0.3508	0.3625	0.3720	0.3785
SSP3	Vigo	Transportation and warehousing	0.0208	0.0923	0.0992	0.1046	0.1090	0.1126	0.1156	0.1176
SSP4	Vigo	All industry total	1.0000	4.5187	4.9933	5.4749	5.9464	6.3794	6.7715	7.1189
SSP4	Vigo	Construction	0.0397	0.1794	0.1982	0.2173	0.2360	0.2532	0.2688	0.2826
SSP4	Vigo	Manufacturing	0.2524	1.1407	1.2605	1.3820	1.5010	1.6104	1.7093	1.7970
SSP4	Vigo	Wholesale trade	0.0309	0.1398	0.1545	0.1694	0.1840	0.1974	0.2095	0.2203
SSP4	Vigo	Retail trade	0.0668	0.3019	0.3336	0.3657	0.3972	0.4262	0.4524	0.4756
SSP4	Vigo	Transportation and warehousing	0.0208	0.0938	0.1036	0.1136	0.1234	0.1324	0.1405	0.1477
SSP5	Vigo	All industry total	1.0000	4.6316	5.2591	5.9815	6.7743	7.5968	8.4657	9.3840
SSP5	Vigo	Construction	0.0397	0.1838	0.2088	0.2374	0.2689	0.3015	0.3360	0.3725
SSP5	Vigo	Manufacturing	0.2524	1.1692	1.3276	1.5099	1.7101	1.9177	2.1370	2.3688
SSP5	Vigo	Wholesale trade	0.0309	0.1433	0.1627	0.1851	0.2096	0.2351	0.2620	0.2904
SSP5	Vigo	Retail trade	0.0668	0.3094	0.3513	0.3996	0.4525	0.5075	0.5655	0.6269
SSP5	Vigo	Transportation and warehousing	0.0208	0.0961	0.1091	0.1241	0.1406	0.1576	0.1757	0.1947
SSP1-26	Vigo	All industry total	1.0000	4.5570	5.0531	5.5625	6.0728	6.5626	7.0239	7.4443
SSP1-26	Vigo	Construction	0.0397	0.1809	0.2006	0.2208	0.2411	0.2605	0.2788	0.2955
SSP1-26	Vigo	Manufacturing	0.2524	1.1503	1.2756	1.4041	1.5330	1.6566	1.7730	1.8792
SSP1-26	Vigo	Wholesale trade	0.0309	0.1410	0.1564	0.1721	0.1879	0.2031	0.2173	0.2304
SSP1-26	Vigo	Retail trade	0.0668	0.3044	0.3376	0.3716	0.4057	0.4384	0.4692	0.4973
SSP1-26	Vigo	Transportation and warehousing	0.0208	0.0946	0.1049	0.1154	0.1260	0.1362	0.1458	0.1545
SSP2-26	Vigo	All industry total	1.0000	4.5255	4.9469	5.3326	5.6801	6.0097	6.3164	6.5993
SSP2-26	Vigo	Construction	0.0397	0.1796	0.1964	0.2117	0.2255	0.2385	0.2507	0.2620
SSP2-26	Vigo	Manufacturing	0.2524	1.1424	1.2487	1.3461	1.4338	1.5170	1.5945	1.6659
SSP2-26	Vigo	Wholesale trade	0.0309	0.1400	0.1531	0.1650	0.1758	0.1860	0.1955	0.2042
SSP2-26	Vigo	Retail trade	0.0668	0.3023	0.3305	0.3562	0.3794	0.4015	0.4220	0.4409
SSP2-26	Vigo	Transportation and warehousing	0.0208	0.0939	0.1027	0.1107	0.1179	0.1247	0.1311	0.1369
SSP3-34	Vigo	All industry total	1.0000	4.4482	4.7732	5.0301	5.1824	5.3047	5.4090	5.4713
SSP3-34	Vigo	Construction	0.0397	0.1766	0.1895	0.1997	0.2057	0.2106	0.2147	0.2172
SSP3-34	Vigo	Manufacturing	0.2524	1.1229	1.2049	1.2698	1.3082	1.3391	1.3654	1.3811
SSP3-34	Vigo	Wholesale trade	0.0309	0.1376	0.1477	0.1557	0.1604	0.1642	0.1674	0.1693
SSP3-34	Vigo	Retail trade	0.0668	0.2972	0.3189	0.3360	0.3462	0.3544	0.3613	0.3655
SSP3-34	Vigo	Transportation and warehousing	0.0208	0.0923	0.0990	0.1044	0.1075	0.1101	0.1122	0.1135
SSP4-26	Vigo	All industry total	1.0000	4.5192	4.9978	5.4829	5.9500	6.3789	6.7699	7.1162
SSP4-26	Vigo	Construction	0.0397	0.1794	0.1984	0.2176	0.2362	0.2532	0.2687	0.2825
SSP4-26	Vigo	Manufacturing	0.2524	1.1408	1.2616	1.3841	1.5020	1.6102	1.7089	1.7964
SSP4-26	Vigo	Wholesale trade	0.0309	0.1398	0.1547	0.1697	0.1841	0.1974	0.2095	0.2202
SSP4-26	Vigo	Retail trade	0.0668	0.3019	0.3339	0.3663	0.3975	0.4261	0.4522	0.4754
SSP4-26	Vigo	Transportation and warehousing	0.0208	0.0938	0.1037	0.1138	0.1235	0.1324	0.1405	0.1477
SSP5-26	Vigo	All industry total	1.0000	4.6316	5.2415	5.9484	6.6819	7.4518	8.2405	9.0821
SSP5-26	Vigo	Construction	0.0397	0.1838	0.2081	0.2361	0.2652	0.2958	0.3271	0.3605
SSP5-26	Vigo	Manufacturing	0.2524	1.1692	1.3231	1.5016	1.6867	1.8811	2.0802	2.2926
SSP5-26	Vigo	Wholesale trade	0.0309	0.1433	0.1622	0.1841	0.2068	0.2306	0.2550	0.2810
SSP5-26	Vigo	Retail trade	0.0668	0.3094	0.3501	0.3974	0.4464	0.4978	0.5505	0.6067
SSP5-26	Vigo	Transportation and warehousing	0.0208	0.0961	0.1088	0.1234	0.1387	0.1546	0.1710	0.1885

# Warrick County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Warrick	All industry total	1.0000	1.8889	2.0946	2.3057	2.5173	2.7203	2.9115	3.0858
SSP1	Warrick	Construction	0.0532	0.1004	0.1114	0.1226	0.1338	0.1446	0.1548	0.1641
SSP1	Warrick	Manufacturing	0.1750	0.3306	0.3666	0.4035	0.4405	0.4761	0.5095	0.5400
SSP1	Warrick	Wholesale trade	0.0290	0.0549	0.0608	0.0670	0.0731	0.0790	0.0846	0.0896
SSP1	Warrick	Retail trade	0.0425	0.0802	0.0890	0.0979	0.1069	0.1156	0.1237	0.1311
SSP1	Warrick	Transportation and warehousing	0.0224	0.0423	0.0469	0.0516	0.0563	0.0609	0.0652	0.0691
SSP2	Warrick	All industry total	1.0000	1.8783	2.0558	2.2181	2.3670	2.5080	2.6411	2.7639
SSP2	Warrick	Construction	0.0532	0.0999	0.1093	0.1179	0.1258	0.1333	0.1404	0.1469
SSP2	Warrick	Manufacturing	0.1750	0.3287	0.3598	0.3882	0.4142	0.4389	0.4622	0.4837
SSP2	Warrick	Wholesale trade	0.0290	0.0546	0.0597	0.0644	0.0688	0.0728	0.0767	0.0803
SSP2	Warrick	Retail trade	0.0425	0.0798	0.0873	0.0942	0.1005	0.1065	0.1122	0.1174
SSP2	Warrick	Transportation and warehousing	0.0224	0.0420	0.0460	0.0496	0.0530	0.0561	0.0591	0.0619
SSP3	Warrick	All industry total	1.0000	1.8445	1.9812	2.0895	2.1765	2.2492	2.3082	2.3483
SSP3	Warrick	Construction	0.0532	0.0981	0.1053	0.1111	0.1157	0.1196	0.1227	0.1249
SSP3	Warrick	Manufacturing	0.1750	0.3228	0.3467	0.3657	0.3809	0.3936	0.4039	0.4110
SSP3	Warrick	Wholesale trade	0.0290	0.0536	0.0575	0.0607	0.0632	0.0653	0.0670	0.0682
SSP3	Warrick	Retail trade	0.0425	0.0784	0.0842	0.0888	0.0925	0.0955	0.0980	0.0998
SSP3	Warrick	Transportation and warehousing	0.0224	0.0413	0.0443	0.0468	0.0487	0.0503	0.0517	0.0526
SSP4	Warrick	All industry total	1.0000	1.8731	2.0698	2.2694	2.4649	2.6444	2.8069	2.9509
SSP4	Warrick	Construction	0.0532	0.0996	0.1100	0.1207	0.1310	0.1406	0.1492	0.1569
SSP4	Warrick	Manufacturing	0.1750	0.3278	0.3622	0.3972	0.4314	0.4628	0.4912	0.5164
SSP4	Warrick	Wholesale trade	0.0290	0.0544	0.0601	0.0659	0.0716	0.0768	0.0815	0.0857
SSP4	Warrick	Retail trade	0.0425	0.0796	0.0879	0.0964	0.1047	0.1123	0.1192	0.1254
SSP4	Warrick	Transportation and warehousing	0.0224	0.0419	0.0463	0.0508	0.0552	0.0592	0.0628	0.0660
SSP5	Warrick	All industry total	1.0000	1.9199	2.1800	2.4794	2.8081	3.1490	3.5092	3.8898
SSP5	Warrick	Construction	0.0532	0.1021	0.1159	0.1318	0.1493	0.1674	0.1866	0.2068
SSP5	Warrick	Manufacturing	0.1750	0.3360	0.3815	0.4339	0.4914	0.5511	0.6141	0.6807
SSP5	Warrick	Wholesale trade	0.0290	0.0558	0.0633	0.0720	0.0816	0.0915	0.1019	0.1130
SSP5	Warrick	Retail trade	0.0425	0.0816	0.0926	0.1053	0.1193	0.1338	0.1491	0.1652
SSP5	Warrick	Transportation and warehousing	0.0224	0.0430	0.0488	0.0555	0.0628	0.0705	0.0785	0.0871
SSP1-26	Warrick	All industry total	1.0000	1.8889	2.0946	2.3057	2.5173	2.7203	2.9115	3.0858
SSP1-26	Warrick	Construction	0.0532	0.1004	0.1114	0.1226	0.1338	0.1446	0.1548	0.1641
SSP1-26	Warrick	Manufacturing	0.1750	0.3306	0.3666	0.4035	0.4405	0.4761	0.5095	0.5400
SSP1-26	Warrick	Wholesale trade	0.0290	0.0549	0.0608	0.0670	0.0731	0.0790	0.0846	0.0896
SSP1-26	Warrick	Retail trade	0.0425	0.0802	0.0890	0.0979	0.1069	0.1156	0.1237	0.1311
SSP1-26	Warrick	Transportation and warehousing	0.0224	0.0423	0.0469	0.0516	0.0563	0.0609	0.0652	0.0691
SSP2-26	Warrick	All industry total	1.0000	1.8759	2.0506	2.2104	2.3545	2.4911	2.6182	2.7355
SSP2-26	Warrick	Construction	0.0532	0.0997	0.1090	0.1175	0.1252	0.1324	0.1392	0.1454
SSP2-26	Warrick	Manufacturing	0.1750	0.3283	0.3589	0.3868	0.4120	0.4360	0.4582	0.4787
SSP2-26	Warrick	Wholesale trade	0.0290	0.0545	0.0596	0.0642	0.0684	0.0724	0.0760	0.0795
SSP2-26	Warrick	Retail trade	0.0425	0.0797	0.0871	0.0939	0.1000	0.1058	0.1112	0.1162
SSP2-26	Warrick	Transportation and warehousing	0.0224	0.0420	0.0459	0.0495	0.0527	0.0557	0.0586	0.0612
SSP3-34	Warrick	All industry total	1.0000	1.8439	1.9785	2.0851	2.1482	2.1989	2.2421	2.2679
SSP3-34	Warrick	Construction	0.0532	0.0980	0.1052	0.1109	0.1142	0.1169	0.1192	0.1206
SSP3-34	Warrick	Manufacturing	0.1750	0.3227	0.3463	0.3649	0.3759	0.3848	0.3924	0.3969
SSP3-34	Warrick	Wholesale trade	0.0290	0.0536	0.0575	0.0606	0.0624	0.0639	0.0651	0.0659
SSP3-34	Warrick	Retail trade	0.0425	0.0783	0.0840	0.0886	0.0913	0.0934	0.0952	0.0963
SSP3-34	Warrick	Transportation and warehousing	0.0224	0.0413	0.0443	0.0467	0.0481	0.0492	0.0502	0.0508
SSP4-26	Warrick	All industry total	1.0000	1.8733	2.0716	2.2727	2.4664	2.6442	2.8062	2.9498
SSP4-26	Warrick	Construction	0.0532	0.0996	0.1101	0.1208	0.1311	0.1406	0.1492	0.1568
SSP4-26	Warrick	Manufacturing	0.1750	0.3278	0.3625	0.3977	0.4316	0.4627	0.4911	0.5162
SSP4-26	Warrick	Wholesale trade	0.0290	0.0544	0.0602	0.0660	0.0716	0.0768	0.0815	0.0857
SSP4-26	Warrick	Retail trade	0.0425	0.0796	0.0880	0.0965	0.1048	0.1123	0.1192	0.1253
SSP4-26	Warrick	Transportation and warehousing	0.0224	0.0419	0.0464	0.0509	0.0552	0.0592	0.0628	0.0660
SSP5-26	Warrick	All industry total	1.0000	1.9199	2.1727	2.4657	2.7697	3.0889	3.4158	3.7647
SSP5-26	Warrick	Construction	0.0532	0.1021	0.1155	0.1311	0.1473	0.1642	0.1816	0.2002
SSP5-26	Warrick	Manufacturing	0.1750	0.3360	0.3802	0.4315	0.4847	0.5406	0.5978	0.6588
SSP5-26	Warrick	Wholesale trade	0.0290	0.0558	0.0631	0.0716	0.0805	0.0897	0.0992	0.1093
SSP5-26	Warrick	Retail trade	0.0425	0.0816	0.0923	0.1047	0.1177	0.1312	0.1451	0.1599
SSP5-26	Warrick	Transportation and warehousing	0.0224	0.0430	0.0486	0.0552	0.0620	0.0691	0.0764	0.0843



## Wayne County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Wayne	All industry total	1.0000	2.5539	2.8319	3.1174	3.4034	3.6779	3.9364	4.1720
SSP1	Wayne	Construction	0.0254	0.0650	0.0720	0.0793	0.0866	0.0936	0.1001	0.1061
SSP1	Wayne	Manufacturing	0.2822	0.7206	0.7991	0.8796	0.9603	1.0378	1.1107	1.1772
SSP1	Wayne	Wholesale trade	0.0467	0.1193	0.1323	0.1456	0.1590	0.1718	0.1839	0.1949
SSP1	Wayne	Retail trade	0.0727	0.1856	0.2058	0.2265	0.2473	0.2672	0.2860	0.3031
SSP1	Wayne	Transportation and warehousing	0.0230	0.0588	0.0652	0.0718	0.0783	0.0847	0.0906	0.0960
SSP2	Wayne	All industry total	1.0000	2.5394	2.7794	2.9989	3.2002	3.3908	3.5709	3.7368
SSP2	Wayne	Construction	0.0254	0.0646	0.0707	0.0763	0.0814	0.0863	0.0908	0.0951
SSP2	Wayne	Manufacturing	0.2822	0.7165	0.7842	0.8462	0.9030	0.9568	1.0076	1.0544
SSP2	Wayne	Wholesale trade	0.0467	0.1186	0.1298	0.1401	0.1495	0.1584	0.1668	0.1745
SSP2	Wayne	Retail trade	0.0727	0.1845	0.2020	0.2179	0.2325	0.2464	0.2595	0.2715
SSP2	Wayne	Transportation and warehousing	0.0230	0.0584	0.0640	0.0690	0.0737	0.0780	0.0822	0.0860
SSP3	Wayne	All industry total	1.0000	2.4939	2.6787	2.8250	2.9427	3.0409	3.1207	3.1750
SSP3	Wayne	Construction	0.0254	0.0634	0.0681	0.0719	0.0749	0.0774	0.0794	0.0808
SSP3	Wayne	Manufacturing	0.2822	0.7037	0.7558	0.7971	0.8303	0.8580	0.8805	0.8958
SSP3	Wayne	Wholesale trade	0.0467	0.1165	0.1251	0.1319	0.1374	0.1420	0.1458	0.1483
SSP3	Wayne	Retail trade	0.0727	0.1812	0.1946	0.2053	0.2138	0.2210	0.2268	0.2307
SSP3	Wayne	Transportation and warehousing	0.0230	0.0574	0.0617	0.0650	0.0677	0.0700	0.0718	0.0731
SSP4	Wayne	All industry total	1.0000	2.5324	2.7984	3.0683	3.3325	3.5752	3.7950	3.9897
SSP4	Wayne	Construction	0.0254	0.0644	0.0712	0.0780	0.0848	0.0909	0.0965	0.1015
SSP4	Wayne	Manufacturing	0.2822	0.7145	0.7896	0.8658	0.9403	1.0088	1.0708	1.1257
SSP4	Wayne	Wholesale trade	0.0467	0.1183	0.1307	0.1433	0.1557	0.1670	0.1773	0.1863
SSP4	Wayne	Retail trade	0.0727	0.1840	0.2033	0.2229	0.2421	0.2598	0.2757	0.2899
SSP4	Wayne	Transportation and warehousing	0.0230	0.0583	0.0644	0.0706	0.0767	0.0823	0.0873	0.0918
SSP5	Wayne	All industry total	1.0000	2.5957	2.9473	3.3523	3.7966	4.2575	4.7445	5.2591
SSP5	Wayne	Construction	0.0254	0.0660	0.0750	0.0853	0.0966	0.1083	0.1207	0.1338
SSP5	Wayne	Manufacturing	0.2822	0.7324	0.8316	0.9459	1.0712	1.2013	1.3387	1.4839
SSP5	Wayne	Wholesale trade	0.0467	0.1212	0.1377	0.1566	0.1773	0.1989	0.2216	0.2456
SSP5	Wayne	Retail trade	0.0727	0.1886	0.2142	0.2436	0.2759	0.3093	0.3447	0.3821
SSP5	Wayne	Transportation and warehousing	0.0230	0.0597	0.0678	0.0772	0.0874	0.0980	0.1092	0.1210
SSP1-26	Wayne	All industry total	1.0000	2.5539	2.8319	3.1174	3.4034	3.6779	3.9364	4.1720
SSP1-26	Wayne	Construction	0.0254	0.0650	0.0720	0.0793	0.0866	0.0936	0.1001	0.1061
SSP1-26	Wayne	Manufacturing	0.2822	0.7206	0.7991	0.8796	0.9603	1.0378	1.1107	1.1772
SSP1-26	Wayne	Wholesale trade	0.0467	0.1193	0.1323	0.1456	0.1590	0.1718	0.1839	0.1949
SSP1-26	Wayne	Retail trade	0.0727	0.1856	0.2058	0.2265	0.2473	0.2672	0.2860	0.3031
SSP1-26	Wayne	Transportation and warehousing	0.0230	0.0588	0.0652	0.0718	0.0783	0.0847	0.0906	0.0960
SSP2-26	Wayne	All industry total	1.0000	2.5362	2.7724	2.9886	3.1833	3.3680	3.5399	3.6985
SSP2-26	Wayne	Construction	0.0254	0.0645	0.0705	0.0760	0.0810	0.0857	0.0900	0.0941
SSP2-26	Wayne	Manufacturing	0.2822	0.7156	0.7823	0.8433	0.8982	0.9503	0.9988	1.0436
SSP2-26	Wayne	Wholesale trade	0.0467	0.1185	0.1295	0.1396	0.1487	0.1573	0.1653	0.1727
SSP2-26	Wayne	Retail trade	0.0727	0.1843	0.2014	0.2171	0.2313	0.2447	0.2572	0.2687
SSP2-26	Wayne	Transportation and warehousing	0.0230	0.0584	0.0638	0.0688	0.0733	0.0775	0.0815	0.0851
SSP3-34	Wayne	All industry total	1.0000	2.4929	2.6750	2.8190	2.9044	2.9729	3.0314	3.0663
SSP3-34	Wayne	Construction	0.0254	0.0634	0.0680	0.0717	0.0739	0.0756	0.0771	0.0780
SSP3-34	Wayne	Manufacturing	0.2822	0.7034	0.7548	0.7954	0.8195	0.8388	0.8553	0.8652
SSP3-34	Wayne	Wholesale trade	0.0467	0.1164	0.1249	0.1317	0.1357	0.1389	0.1416	0.1432
SSP3-34	Wayne	Retail trade	0.0727	0.1811	0.1944	0.2048	0.2110	0.2160	0.2203	0.2228
SSP3-34	Wayne	Transportation and warehousing	0.0230	0.0574	0.0616	0.0649	0.0668	0.0684	0.0698	0.0706
SSP4-26	Wayne	All industry total	1.0000	2.5327	2.8009	3.0728	3.3346	3.5750	3.7941	3.9882
SSP4-26	Wayne	Construction	0.0254	0.0644	0.0712	0.0782	0.0848	0.0909	0.0965	0.1014
SSP4-26	Wayne	Manufacturing	0.2822	0.7146	0.7903	0.8670	0.9409	1.0087	1.0705	1.1253
SSP4-26	Wayne	Wholesale trade	0.0467	0.1183	0.1308	0.1435	0.1557	0.1670	0.1772	0.1863
SSP4-26	Wayne	Retail trade	0.0727	0.1840	0.2035	0.2233	0.2423	0.2598	0.2757	0.2898
SSP4-26	Wayne	Transportation and warehousing	0.0230	0.0583	0.0645	0.0707	0.0767	0.0823	0.0873	0.0918
SSP5-26	Wayne	All industry total	1.0000	2.5957	2.9375	3.3337	3.7447	4.1763	4.6183	5.0899
SSP5-26	Wayne	Construction	0.0254	0.0660	0.0747	0.0848	0.0953	0.1062	0.1175	0.1295
SSP5-26	Wayne	Manufacturing	0.2822	0.7324	0.8288	0.9406	1.0566	1.1784	1.3031	1.4362
SSP5-26	Wayne	Wholesale trade	0.0467	0.1212	0.1372	0.1557	0.1749	0.1951	0.2157	0.2377
SSP5-26	Wayne	Retail trade	0.0727	0.1886	0.2134	0.2422	0.2721	0.3034	0.3356	0.3698
SSP5-26	Wayne	Transportation and warehousing	0.0230	0.0597	0.0676	0.0767	0.0862	0.0961	0.1063	0.1172

## Wells County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	Wells	All industry total	1.0000	0.9554	1.0595	1.1663	1.2733	1.3760	1.4727	1.5608
SSP1	Wells	Construction	0.0329	0.0314	0.0348	0.0384	0.0419	0.0452	0.0484	0.0513
SSP1	Wells	Manufacturing	0.3120	0.2981	0.3305	0.3638	0.3972	0.4292	0.4594	0.4869
SSP1	Wells	Wholesale trade	0.0476	0.0455	0.0504	0.0555	0.0606	0.0655	0.0701	0.0743
SSP1	Wells	Retail trade	0.0525	0.0501	0.0556	0.0612	0.0668	0.0722	0.0773	0.0819
SSP1	Wells	Transportation and warehousing	0.0886	0.0847	0.0939	0.1034	0.1129	0.1220	0.1305	0.1384
SSP2	Wells	All industry total	1.0000	0.9501	1.0398	1.1220	1.1973	1.2686	1.3359	1.3980
SSP2	Wells	Construction	0.0329	0.0312	0.0342	0.0369	0.0394	0.0417	0.0439	0.0460
SSP2	Wells	Manufacturing	0.3120	0.2964	0.3244	0.3500	0.3735	0.3957	0.4167	0.4361
SSP2	Wells	Wholesale trade	0.0476	0.0452	0.0495	0.0534	0.0570	0.0604	0.0636	0.0665
SSP2	Wells	Retail trade	0.0525	0.0499	0.0546	0.0589	0.0628	0.0666	0.0701	0.0734
SSP2	Wells	Transportation and warehousing	0.0886	0.0842	0.0922	0.0995	0.1061	0.1125	0.1184	0.1239
SSP3	Wells	All industry total	1.0000	0.9330	1.0021	1.0569	1.1009	1.1377	1.1675	1.1878
SSP3	Wells	Construction	0.0329	0.0307	0.0330	0.0348	0.0362	0.0374	0.0384	0.0391
SSP3	Wells	Manufacturing	0.3120	0.2911	0.3126	0.3297	0.3434	0.3549	0.3642	0.3705
SSP3	Wells	Wholesale trade	0.0476	0.0444	0.0477	0.0503	0.0524	0.0542	0.0556	0.0565
SSP3	Wells	Retail trade	0.0525	0.0490	0.0526	0.0555	0.0578	0.0597	0.0613	0.0623
SSP3	Wells	Transportation and warehousing	0.0886	0.0827	0.0888	0.0937	0.0976	0.1008	0.1035	0.1053
SSP4	Wells	All industry total	1.0000	0.9474	1.0469	1.1479	1.2468	1.3376	1.4198	1.4926
SSP4	Wells	Construction	0.0329	0.0312	0.0344	0.0377	0.0410	0.0440	0.0467	0.0491
SSP4	Wells	Manufacturing	0.3120	0.2956	0.3266	0.3581	0.3889	0.4173	0.4429	0.4656
SSP4	Wells	Wholesale trade	0.0476	0.0451	0.0498	0.0546	0.0593	0.0637	0.0676	0.0710
SSP4	Wells	Retail trade	0.0525	0.0497	0.0549	0.0602	0.0654	0.0702	0.0745	0.0783
SSP4	Wells	Transportation and warehousing	0.0886	0.0840	0.0928	0.1018	0.1105	0.1186	0.1259	0.1323
SSP5	Wells	All industry total	1.0000	0.9711	1.1027	1.2541	1.4204	1.5928	1.7750	1.9675
SSP5	Wells	Construction	0.0329	0.0319	0.0363	0.0412	0.0467	0.0524	0.0584	0.0647
SSP5	Wells	Manufacturing	0.3120	0.3029	0.3440	0.3912	0.4431	0.4969	0.5537	0.6138
SSP5	Wells	Wholesale trade	0.0476	0.0462	0.0525	0.0597	0.0676	0.0758	0.0845	0.0937
SSP5	Wells	Retail trade	0.0525	0.0510	0.0579	0.0658	0.0745	0.0836	0.0932	0.1033
SSP5	Wells	Transportation and warehousing	0.0886	0.0861	0.0977	0.1112	0.1259	0.1412	0.1573	0.1744
SSP1-26	Wells	All industry total	1.0000	0.9554	1.0595	1.1663	1.2733	1.3760	1.4727	1.5608
SSP1-26	Wells	Construction	0.0329	0.0314	0.0348	0.0384	0.0419	0.0452	0.0484	0.0513
SSP1-26	Wells	Manufacturing	0.3120	0.2981	0.3305	0.3638	0.3972	0.4292	0.4594	0.4869
SSP1-26	Wells	Wholesale trade	0.0476	0.0455	0.0504	0.0555	0.0606	0.0655	0.0701	0.0743
SSP1-26	Wells	Retail trade	0.0525	0.0501	0.0556	0.0612	0.0668	0.0722	0.0773	0.0819
SSP1-26	Wells	Transportation and warehousing	0.0886	0.0847	0.0939	0.1034	0.1129	0.1220	0.1305	0.1384
SSP2-26	Wells	All industry total	1.0000	0.9489	1.0372	1.1181	1.1909	1.2600	1.3243	1.3837
SSP2-26	Wells	Construction	0.0329	0.0312	0.0341	0.0368	0.0392	0.0414	0.0435	0.0455
SSP2-26	Wells	Manufacturing	0.3120	0.2960	0.3236	0.3488	0.3715	0.3931	0.4131	0.4316
SSP2-26	Wells	Wholesale trade	0.0476	0.0452	0.0494	0.0532	0.0567	0.0600	0.0630	0.0659
SSP2-26	Wells	Retail trade	0.0525	0.0498	0.0544	0.0587	0.0625	0.0661	0.0695	0.0726
SSP2-26	Wells	Transportation and warehousing	0.0886	0.0841	0.0919	0.0991	0.1056	0.1117	0.1174	0.1227
SSP3-34	Wells	All industry total	1.0000	0.9326	1.0008	1.0547	1.0866	1.1122	1.1341	1.1471
SSP3-34	Wells	Construction	0.0329	0.0307	0.0329	0.0347	0.0357	0.0366	0.0373	0.0377
SSP3-34	Wells	Manufacturing	0.3120	0.2909	0.3122	0.3290	0.3390	0.3470	0.3538	0.3579
SSP3-34	Wells	Wholesale trade	0.0476	0.0444	0.0476	0.0502	0.0517	0.0529	0.0540	0.0546
SSP3-34	Wells	Retail trade	0.0525	0.0489	0.0525	0.0554	0.0570	0.0584	0.0595	0.0602
SSP3-34	Wells	Transportation and warehousing	0.0886	0.0827	0.0887	0.0935	0.0963	0.0986	0.1005	0.1017
SSP4-26	Wells	All industry total	1.0000	0.9475	1.0479	1.1496	1.2475	1.3375	1.4194	1.4920
SSP4-26	Wells	Construction	0.0329	0.0312	0.0345	0.0378	0.0410	0.0440	0.0467	0.0491
SSP4-26	Wells	Manufacturing	0.3120	0.2956	0.3269	0.3586	0.3892	0.4172	0.4428	0.4654
SSP4-26	Wells	Wholesale trade	0.0476	0.0451	0.0499	0.0547	0.0594	0.0637	0.0676	0.0710
SSP4-26	Wells	Retail trade	0.0525	0.0497	0.0550	0.0603	0.0655	0.0702	0.0745	0.0783
SSP4-26	Wells	Transportation and warehousing	0.0886	0.0840	0.0929	0.1019	0.1106	0.1186	0.1258	0.1323
SSP5-26	Wells	All industry total	1.0000	0.9711	1.0990	1.2472	1.4010	1.5624	1.7278	1.9042
SSP5-26	Wells	Construction	0.0329	0.0319	0.0361	0.0410	0.0461	0.0514	0.0568	0.0626
SSP5-26	Wells	Manufacturing	0.3120	0.3029	0.3428	0.3891	0.4370	0.4874	0.5390	0.5940
SSP5-26	Wells	Wholesale trade	0.0476	0.0462	0.0523	0.0594	0.0667	0.0744	0.0822	0.0906
SSP5-26	Wells	Retail trade	0.0525	0.0510	0.0577	0.0655	0.0735	0.0820	0.0907	0.0999
SSP5-26	Wells	Transportation and warehousing	0.0886	0.0861	0.0974	0.1106	0.1242	0.1385	0.1532	0.1688

## White County

SSP	County	Description	Industry contri	2020	2025	2030	2035	2040	2045	2050
SSP1	White	All industry total	1.0000	0.8715	0.9664	1.0639	1.1615	1.2551	1.3434	1.4238
SSP1	White	Construction	0.0509	0.0444	0.0492	0.0541	0.0591	0.0639	0.0684	0.0725
SSP1	White	Manufacturing	0.2264	0.1973	0.2188	0.2409	0.2630	0.2842	0.3042	0.3224
SSP1	White	Wholesale trade	0.0587	0.0511	0.0567	0.0624	0.0681	0.0736	0.0788	0.0835
SSP1	White	Retail trade	0.0694	0.0604	0.0670	0.0738	0.0806	0.0871	0.0932	0.0987
SSP1	White	Transportation and warehousing	0.0402	0.0351	0.0389	0.0428	0.0467	0.0505	0.0540	0.0573
SSP2	White	All industry total	1.0000	0.8666	0.9485	1.0234	1.0921	1.1572	1.2186	1.2752
SSP2	White	Construction	0.0509	0.0441	0.0483	0.0521	0.0556	0.0589	0.0620	0.0649
SSP2	White	Manufacturing	0.2264	0.1962	0.2148	0.2317	0.2473	0.2620	0.2759	0.2887
SSP2	White	Wholesale trade	0.0587	0.0508	0.0556	0.0600	0.0641	0.0679	0.0715	0.0748
SSP2	White	Retail trade	0.0694	0.0601	0.0658	0.0710	0.0757	0.0803	0.0845	0.0884
SSP2	White	Transportation and warehousing	0.0402	0.0349	0.0382	0.0412	0.0439	0.0465	0.0490	0.0513
SSP3	White	All industry total	1.0000	0.8511	0.9141	0.9641	1.0042	1.0378	1.0650	1.0835
SSP3	White	Construction	0.0509	0.0433	0.0465	0.0491	0.0511	0.0528	0.0542	0.0551
SSP3	White	Manufacturing	0.2264	0.1927	0.2070	0.2183	0.2274	0.2350	0.2411	0.2453
SSP3	White	Wholesale trade	0.0587	0.0499	0.0536	0.0566	0.0589	0.0609	0.0625	0.0636
SSP3	White	Retail trade	0.0694	0.0590	0.0634	0.0669	0.0697	0.0720	0.0739	0.0751
SSP3	White	Transportation and warehousing	0.0402	0.0342	0.0368	0.0388	0.0404	0.0417	0.0428	0.0436
SSP4	White	All industry total	1.0000	0.8642	0.9550	1.0471	1.1373	1.2201	1.2951	1.3615
SSP4	White	Construction	0.0509	0.0440	0.0486	0.0533	0.0579	0.0621	0.0659	0.0693
SSP4	White	Manufacturing	0.2264	0.1957	0.2162	0.2371	0.2575	0.2762	0.2932	0.3083
SSP4	White	Wholesale trade	0.0587	0.0507	0.0560	0.0614	0.0667	0.0716	0.0760	0.0799
SSP4	White	Retail trade	0.0694	0.0599	0.0662	0.0726	0.0789	0.0846	0.0898	0.0944
SSP4	White	Transportation and warehousing	0.0402	0.0348	0.0384	0.0421	0.0457	0.0491	0.0521	0.0548
SSP5	White	All industry total	1.0000	0.8858	1.0058	1.1440	1.2956	1.4529	1.6191	1.7947
SSP5	White	Construction	0.0509	0.0451	0.0512	0.0582	0.0659	0.0739	0.0824	0.0913
SSP5	White	Manufacturing	0.2264	0.2006	0.2277	0.2590	0.2933	0.3290	0.3666	0.4064
SSP5	White	Wholesale trade	0.0587	0.0520	0.0590	0.0671	0.0760	0.0852	0.0950	0.1053
SSP5	White	Retail trade	0.0694	0.0614	0.0698	0.0793	0.0899	0.1008	0.1123	0.1245
SSP5	White	Transportation and warehousing	0.0402	0.0356	0.0405	0.0460	0.0521	0.0584	0.0651	0.0722
SSP1-26	White	All industry total	1.0000	0.8715	0.9664	1.0639	1.1615	1.2551	1.3434	1.4238
SSP1-26	White	Construction	0.0509	0.0444	0.0492	0.0541	0.0591	0.0639	0.0684	0.0725
SSP1-26	White	Manufacturing	0.2264	0.1973	0.2188	0.2409	0.2630	0.2842	0.3042	0.3224
SSP1-26	White	Wholesale trade	0.0587	0.0511	0.0567	0.0624	0.0681	0.0736	0.0788	0.0835
SSP1-26	White	Retail trade	0.0694	0.0604	0.0670	0.0738	0.0806	0.0871	0.0932	0.0987
SSP1-26	White	Transportation and warehousing	0.0402	0.0351	0.0389	0.0428	0.0467	0.0505	0.0540	0.0573
SSP2-26	White	All industry total	1.0000	0.8655	0.9461	1.0199	1.0863	1.1494	1.2080	1.2622
SSP2-26	White	Construction	0.0509	0.0440	0.0481	0.0519	0.0553	0.0585	0.0615	0.0642
SSP2-26	White	Manufacturing	0.2264	0.1960	0.2142	0.2309	0.2460	0.2602	0.2735	0.2858
SSP2-26	White	Wholesale trade	0.0587	0.0508	0.0555	0.0598	0.0637	0.0674	0.0709	0.0740
SSP2-26	White	Retail trade	0.0694	0.0600	0.0656	0.0707	0.0753	0.0797	0.0838	0.0875
SSP2-26	White	Transportation and warehousing	0.0402	0.0348	0.0381	0.0410	0.0437	0.0462	0.0486	0.0508
SSP3-34	White	All industry total	1.0000	0.8507	0.9129	0.9620	0.9912	1.0145	1.0345	1.0464
SSP3-34	White	Construction	0.0509	0.0433	0.0465	0.0490	0.0504	0.0516	0.0526	0.0533
SSP3-34	White	Manufacturing	0.2264	0.1926	0.2067	0.2178	0.2244	0.2297	0.2342	0.2369
SSP3-34	White	Wholesale trade	0.0587	0.0499	0.0536	0.0564	0.0581	0.0595	0.0607	0.0614
SSP3-34	White	Retail trade	0.0694	0.0590	0.0633	0.0667	0.0687	0.0704	0.0718	0.0726
SSP3-34	White	Transportation and warehousing	0.0402	0.0342	0.0367	0.0387	0.0399	0.0408	0.0416	0.0421
SSP4-26	White	All industry total	1.0000	0.8643	0.9559	1.0486	1.1380	1.2200	1.2948	1.3610
SSP4-26	White	Construction	0.0509	0.0440	0.0486	0.0534	0.0579	0.0621	0.0659	0.0693
SSP4-26	White	Manufacturing	0.2264	0.1957	0.2164	0.2374	0.2576	0.2762	0.2932	0.3082
SSP4-26	White	Wholesale trade	0.0587	0.0507	0.0561	0.0615	0.0668	0.0716	0.0760	0.0798
SSP4-26	White	Retail trade	0.0694	0.0599	0.0663	0.0727	0.0789	0.0846	0.0898	0.0944
SSP4-26	White	Transportation and warehousing	0.0402	0.0348	0.0385	0.0422	0.0458	0.0491	0.0521	0.0548
SSP5-26	White	All industry total	1.0000	0.8858	1.0025	1.1377	1.2779	1.4252	1.5760	1.7370
SSP5-26	White	Construction	0.0509	0.0451	0.0510	0.0579	0.0650	0.0725	0.0802	0.0884
SSP5-26	White	Manufacturing	0.2264	0.2006	0.2270	0.2576	0.2893	0.3227	0.3568	0.3933
SSP5-26	White	Wholesale trade	0.0587	0.0520	0.0588	0.0667	0.0750	0.0836	0.0925	0.1019
SSP5-26	White	Retail trade	0.0694	0.0614	0.0695	0.0789	0.0886	0.0988	0.1093	0.1205
SSP5-26	White	Transportation and warehousing	0.0402	0.0356	0.0403	0.0458	0.0514	0.0573	0.0634	0.0699

## APPENDIX D. INDUSTRY CLUSTERS

This section provides visual representation of the industry clusters identified in each county. Blue represents construction, orange represents manufacturing, red represents retail, teal represents warehousing & transportation, and green represents wholesale industry.

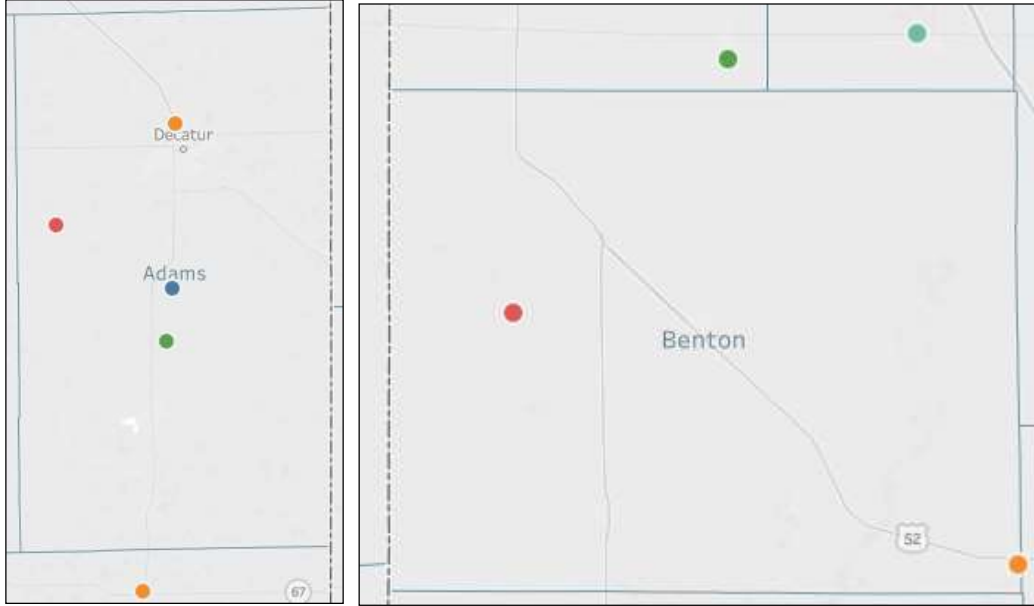


Figure D.1 Industry clusters for Adams County (left) and Benton County (right).

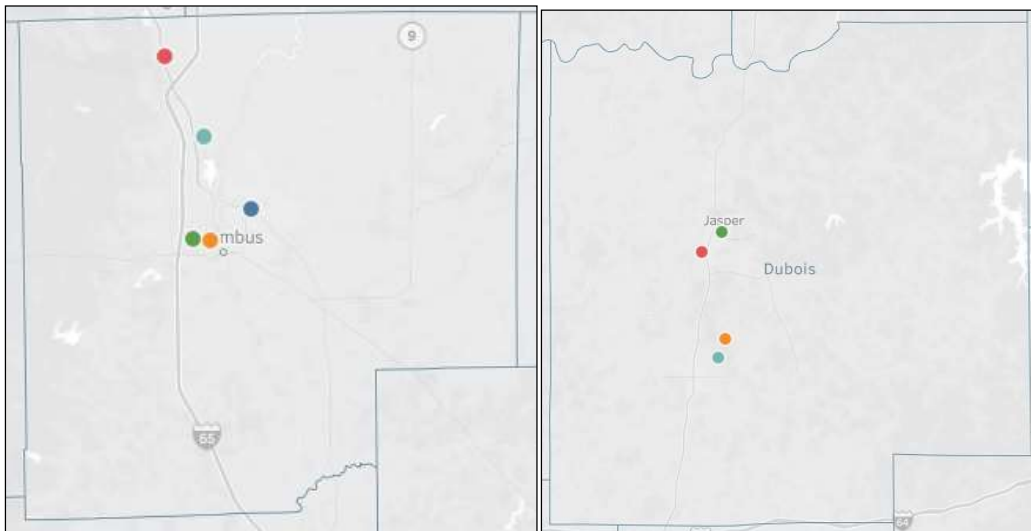


Figure D.2 Industry clusters for Bartholomew County (left) and Dubois County (right).

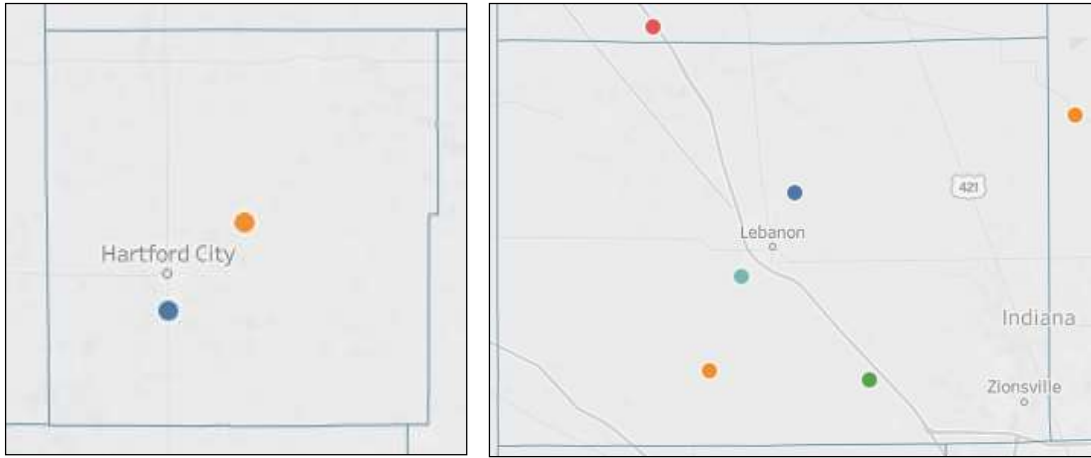


Figure D.3 Industry clusters for Blackford County (left) and Boone County (right).



Figure D.4 Industry clusters for Brown County (left) and Carroll County (right).

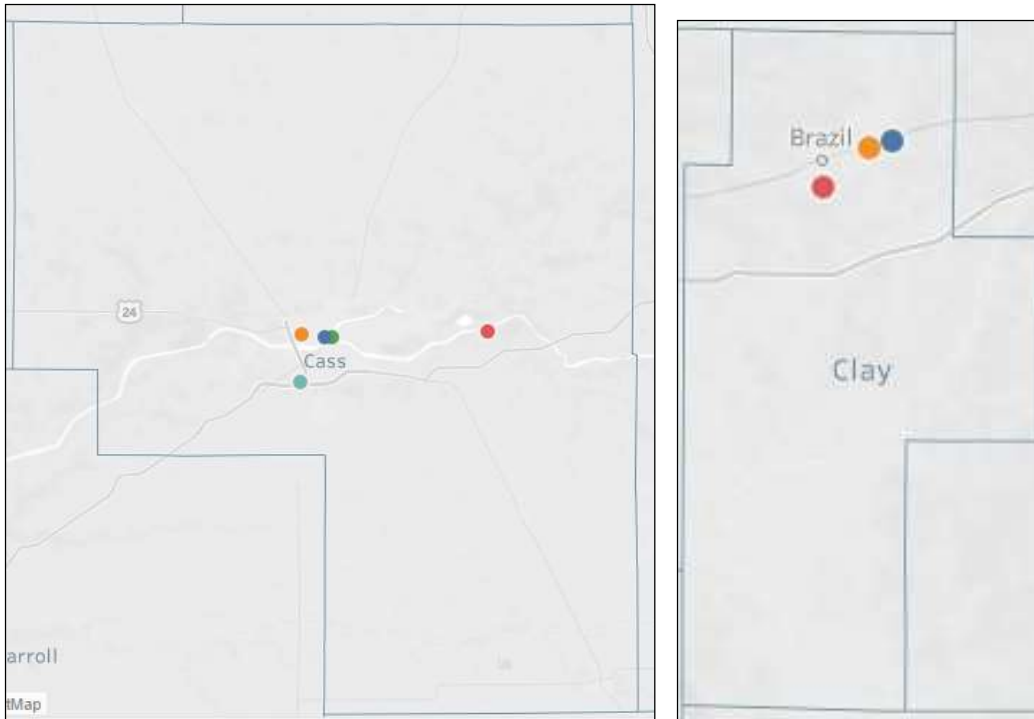


Figure D.5 Industry clusters for Cass County (left) and Clay County (right).



Figure D.6 Industry clusters for Clark County (left) and Clinton County (right).



Figure D.7 Industry clusters for Crawford County (left) and DeKalb County (right).

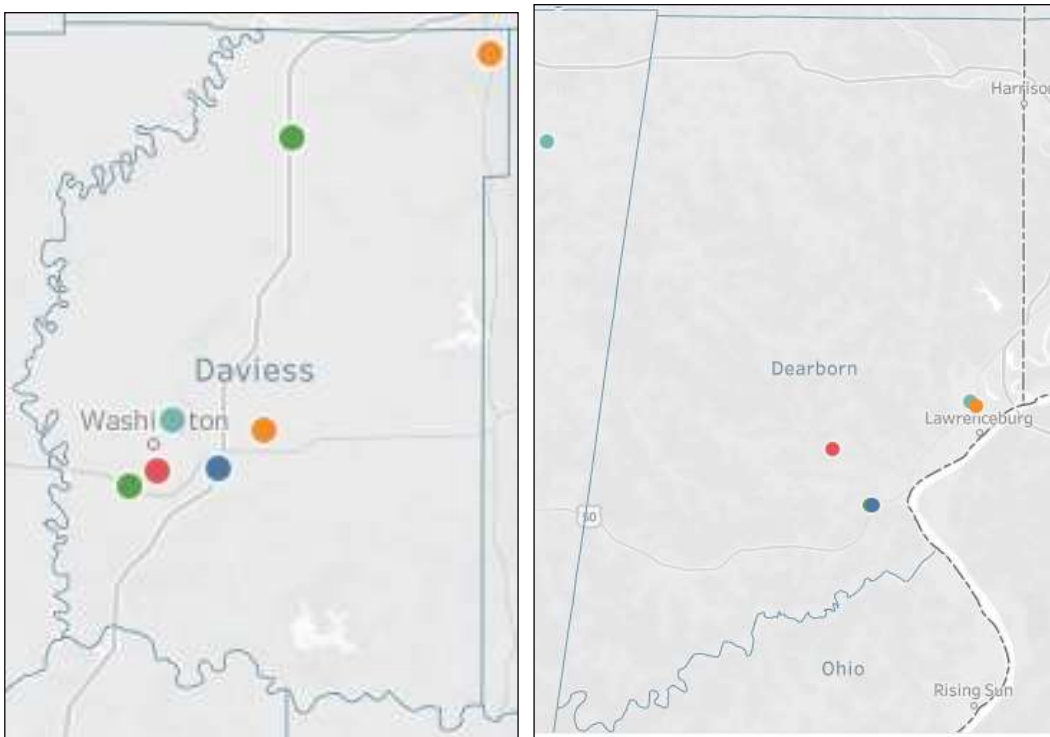


Figure D.8 Industry clusters for Daviess County (left) and Dearborn County (right).

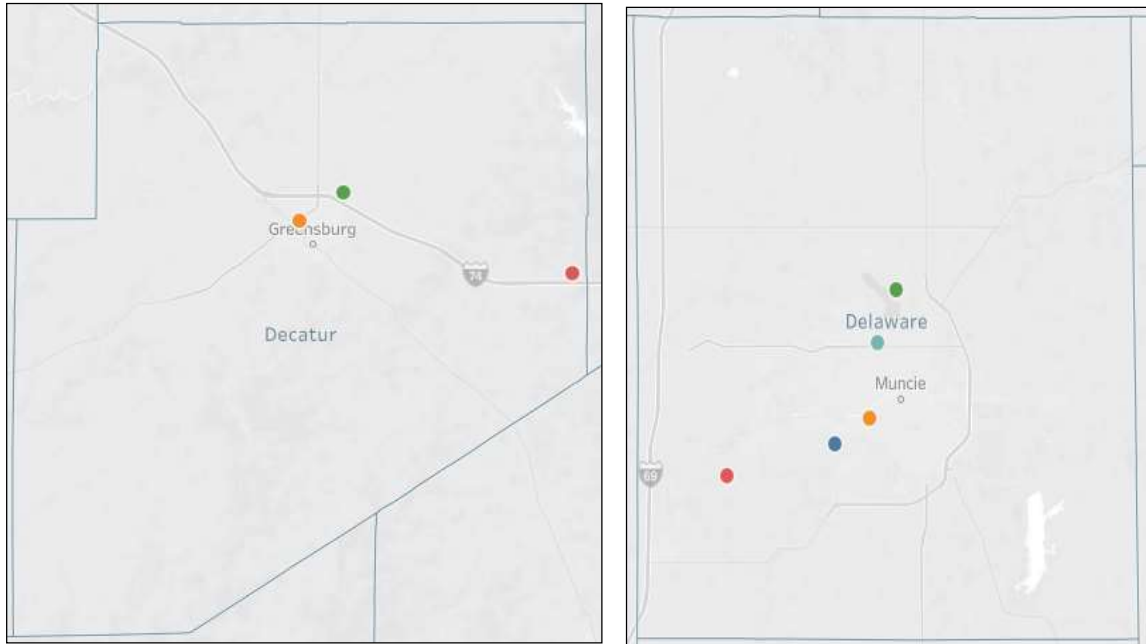


Figure D.9 Industry clusters for Decatur County (left) and Delaware County (right).

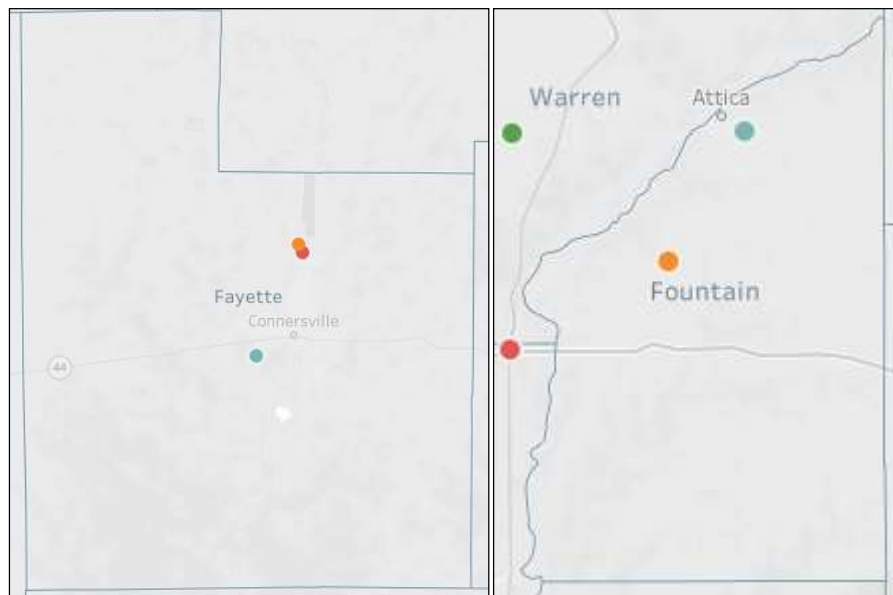


Figure D.10 Industry clusters for Fayette County (left) and Fountain County (right).





Figure D.11 Industry clusters for Fulton County (left) and Hancock County (right).

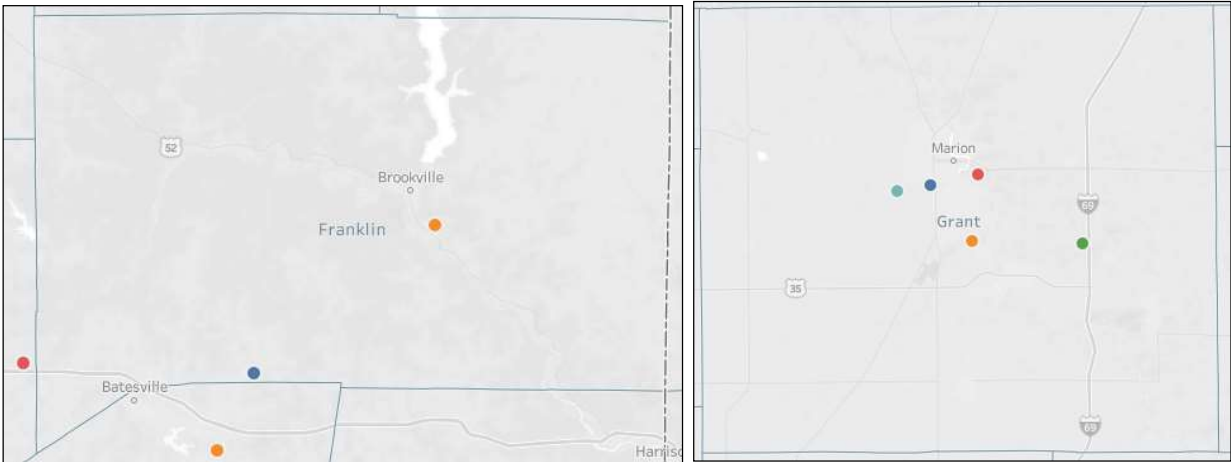


Figure D.12 Industry clusters for Franklin County (left) and Grant County (right).

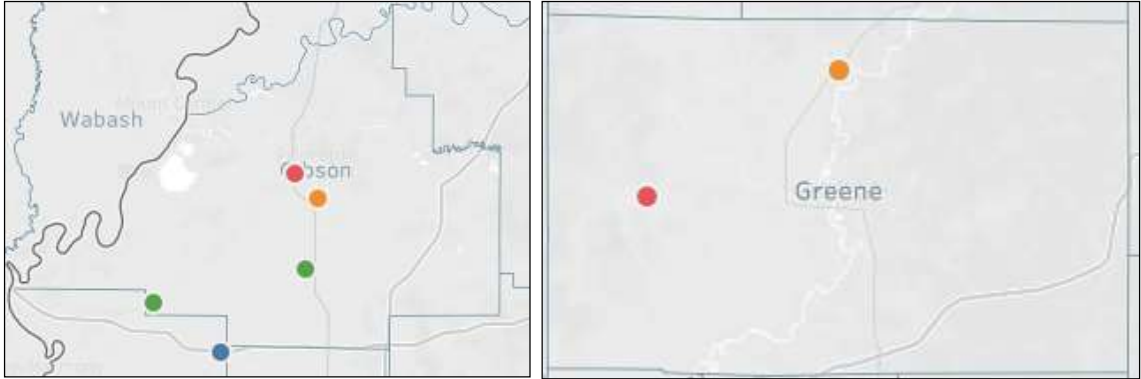


Figure D.13 Industry clusters for Gibson County (left) and Greene County (right).

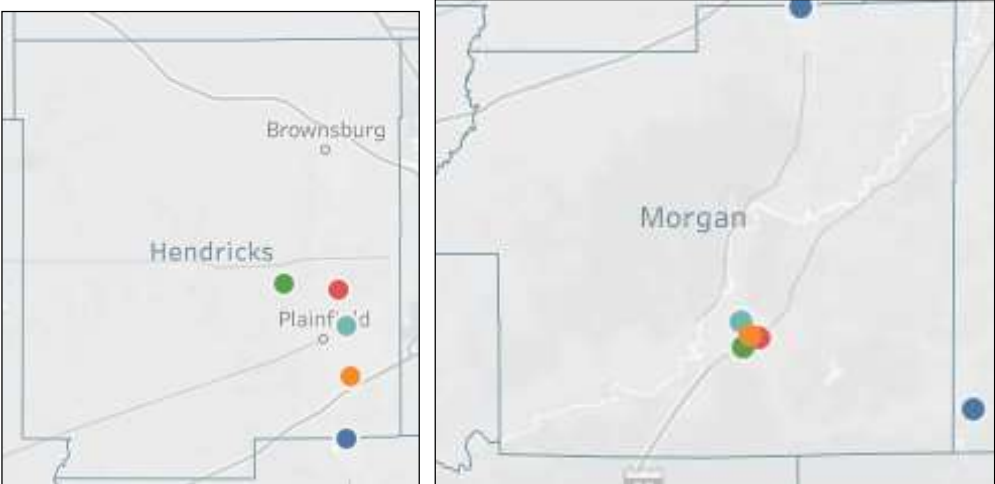


Figure D.14 Industry clusters for Hendricks County (left) and Morgan County (right).

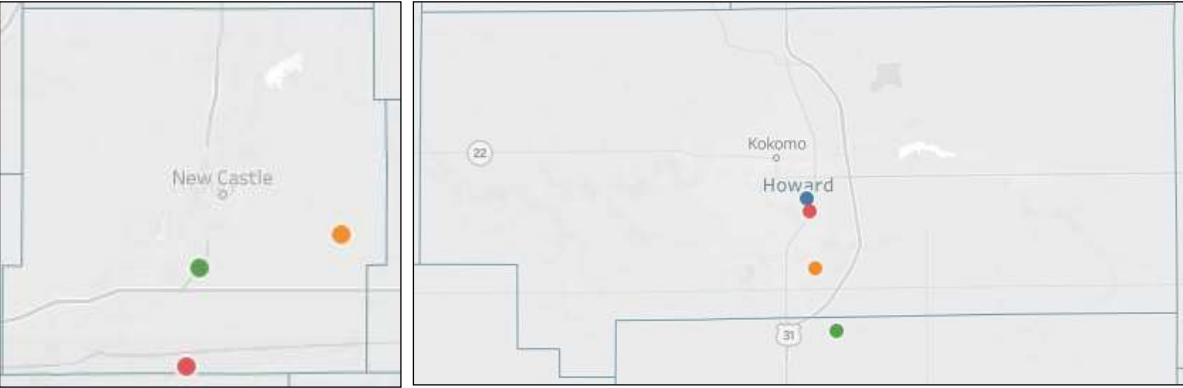


Figure D.15 Industry clusters for Henry County (left) and Howard County (right).

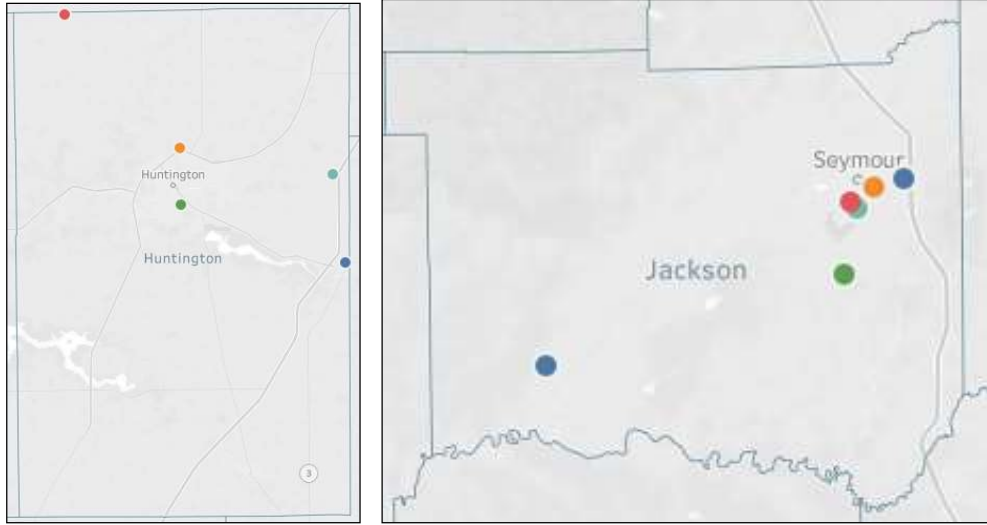


Figure D.16 Industry clusters for Huntington County (left) and Jackson County (right).



Figure D.17 Industry clusters for Jasper County (left) and Madison County (right).

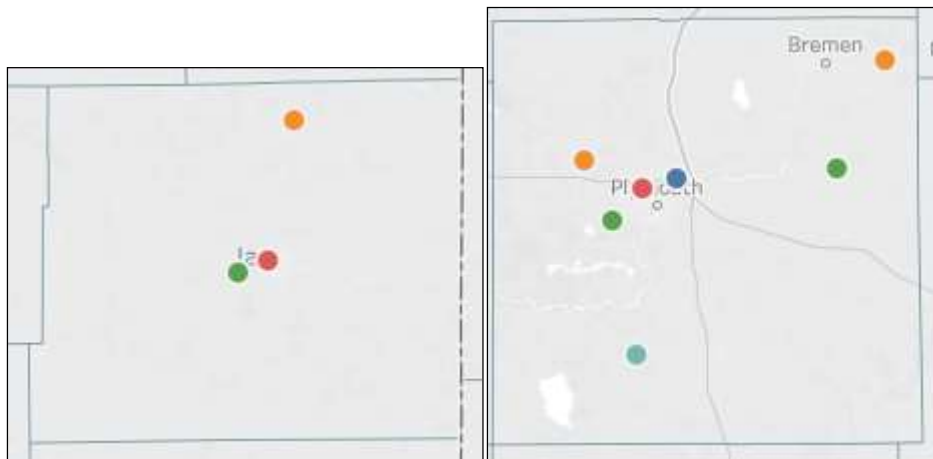


Figure D.18 Industry clusters for Jay County (left) and Marshall County (right).

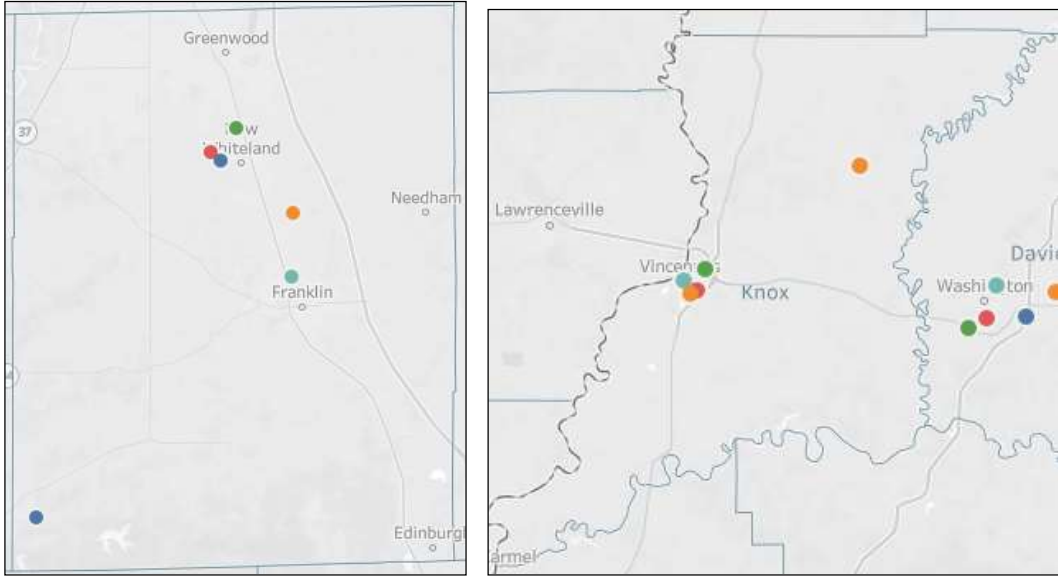


Figure D.19 Industry clusters for Johnson County (left) and Knox County (right).

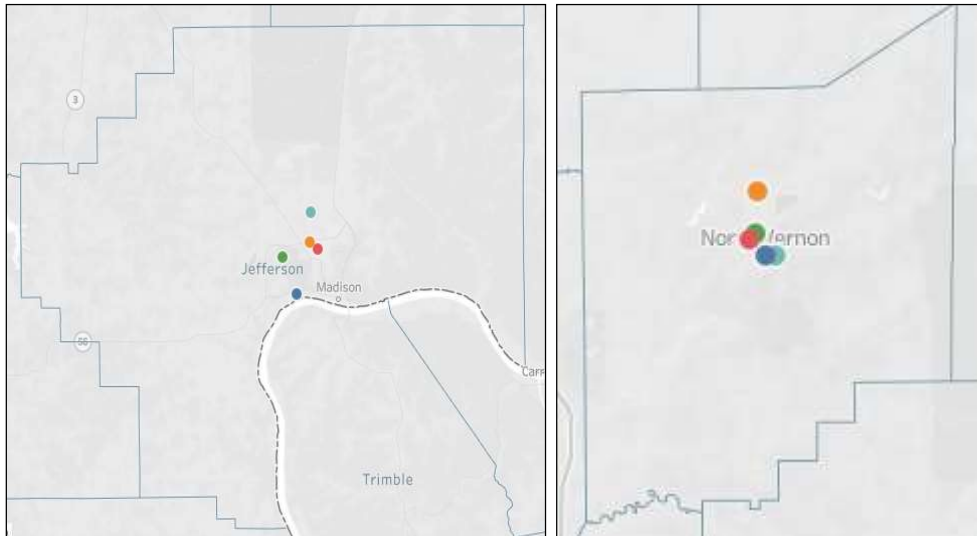


Figure D.20 Industry clusters for Jefferson County (left) and Jennings County (right).



Figure D.21 Industry clusters for Kosciusko County (left) and Lagrange County (right).

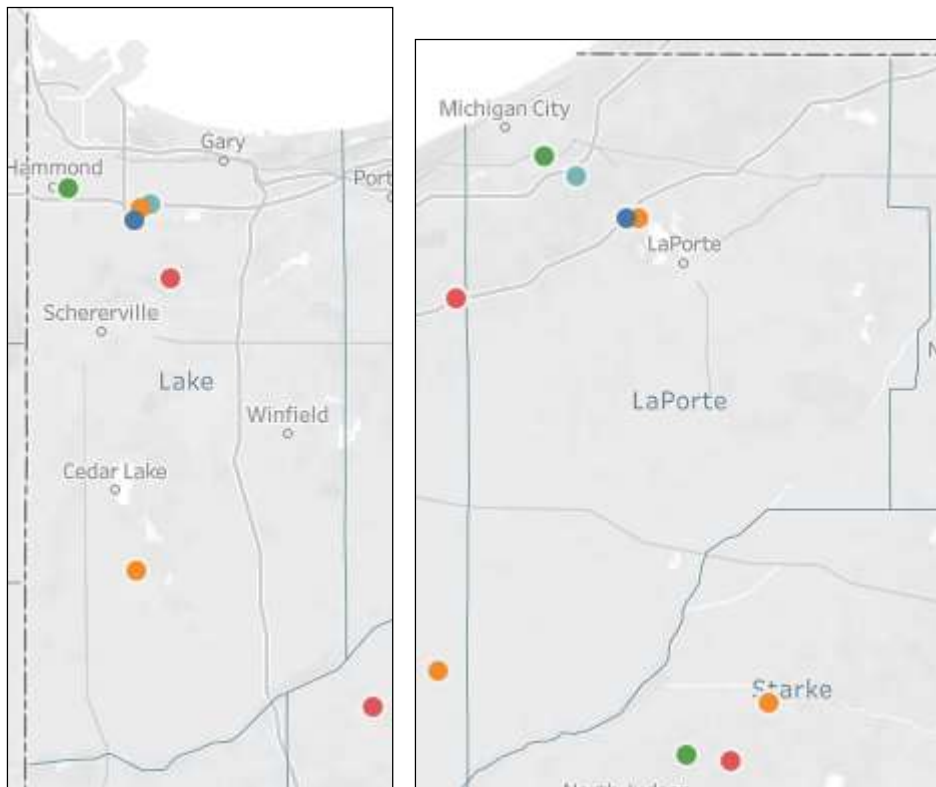


Figure D.22 Industry clusters for Lake County (left) and LaPorte County (right).

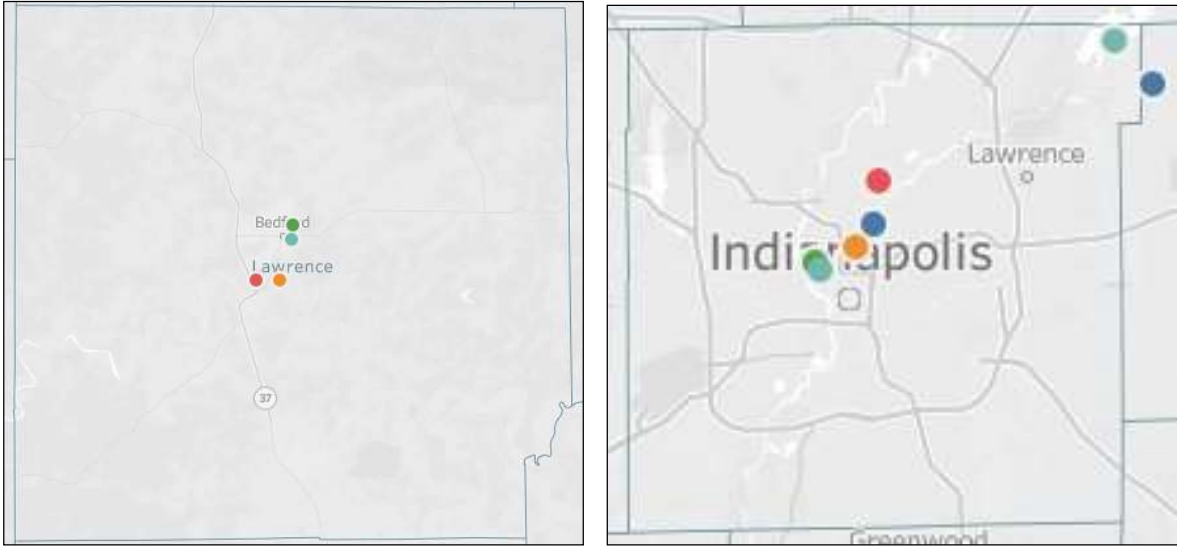


Figure D.23 Industry clusters for Lawrence County (left) and Marion County (right).

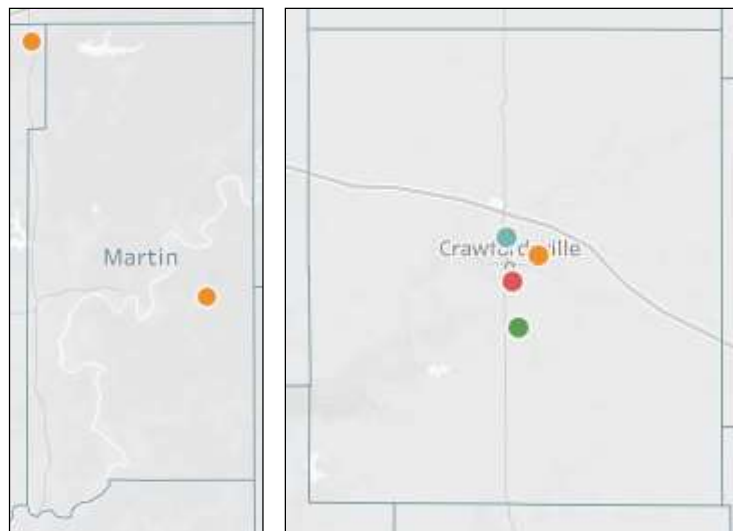


Figure D.24 Industry clusters for Martin County (left) and Montgomery County (right).



Figure D.25 Industry clusters for Miami County (left) and Monroe County (right).



Figure D.26 Industry clusters for Noble County (left) and Ohio County (right).





Figure D.27 Industry clusters for Orange County (left) and Owen County (right).

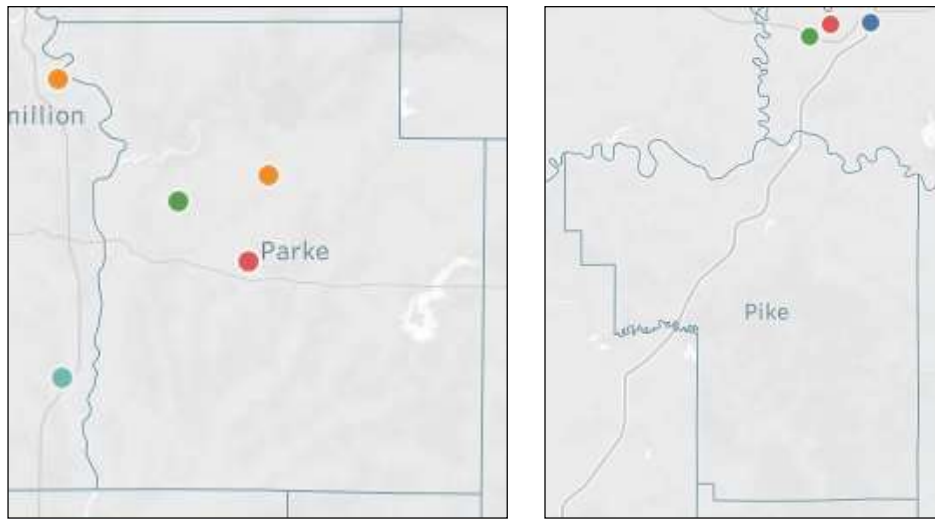


Figure D.28 Industry clusters for Parke County (left) and Pike County (right).

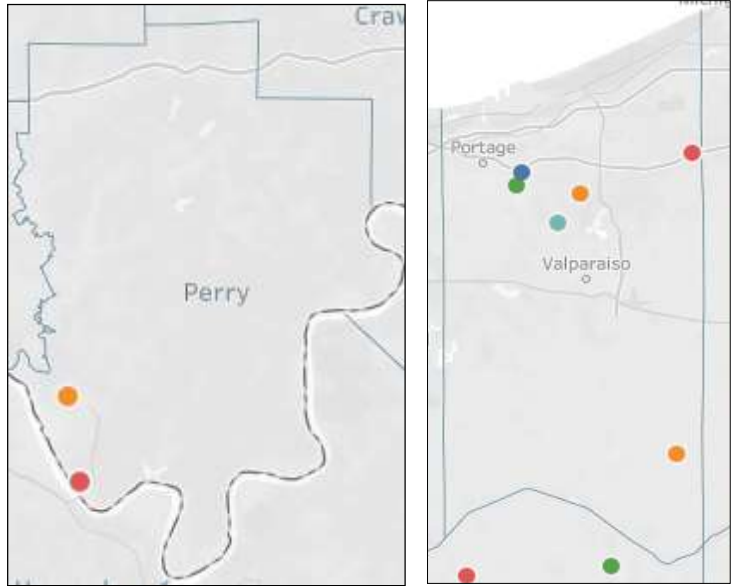


Figure D.29 Industry clusters for Perry County (left) and Porter County (right).

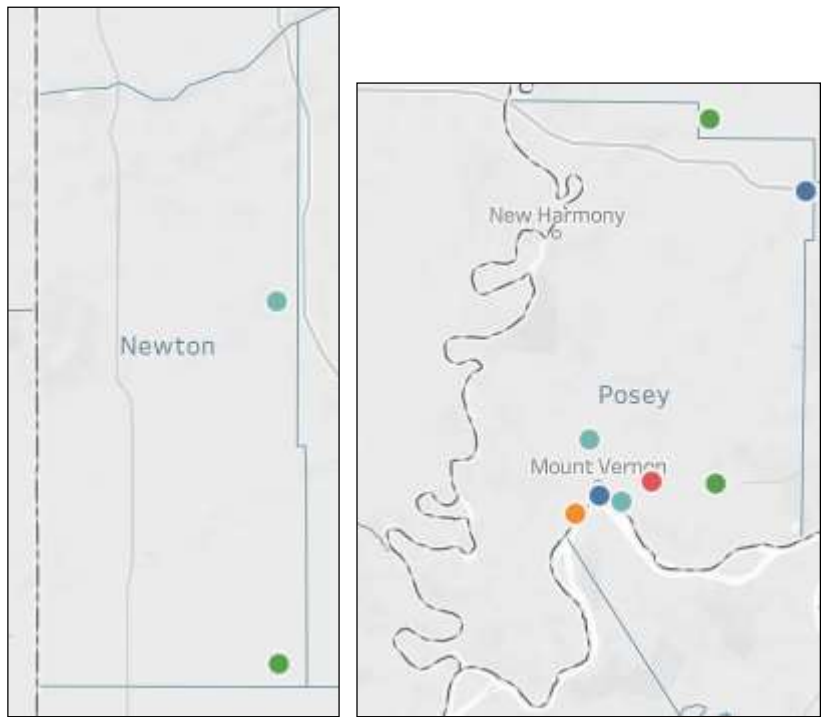


Figure D.30 Industry clusters for Newton County (left) and Posey County (right).



Figure D.31 Industry clusters for Putnam County (left) and Ripley County (right).

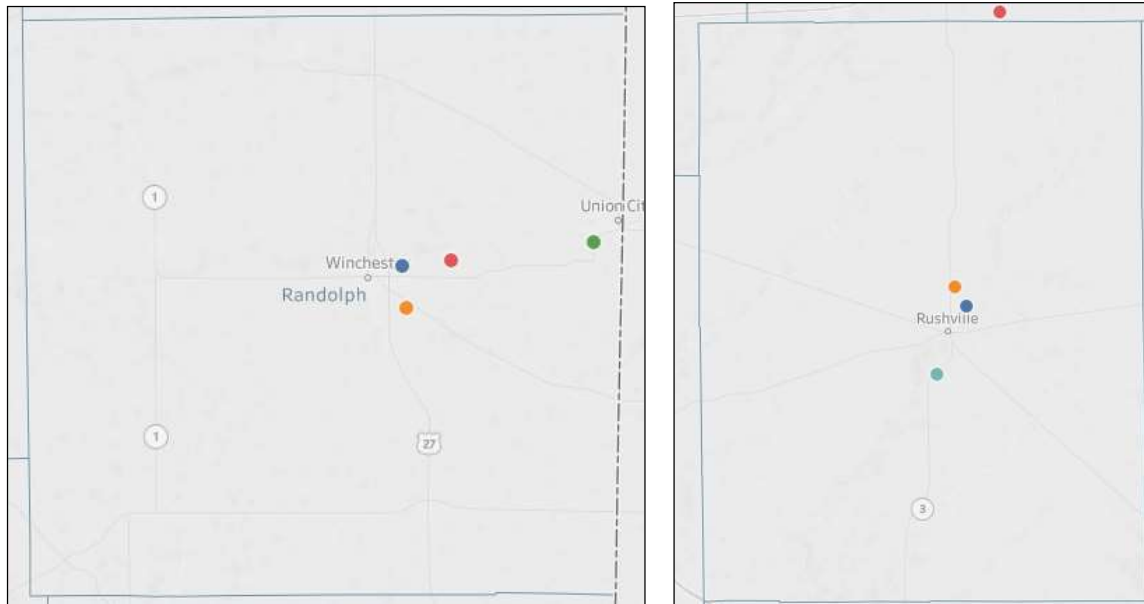


Figure D.32 Industry clusters for Randolph County (left) and Rush County (right).



Figure D.33 Industry clusters for Scott County (left) and Steuben County (right).



Figure D.34 Industry clusters for Shelby County (left) and Starke County (right).

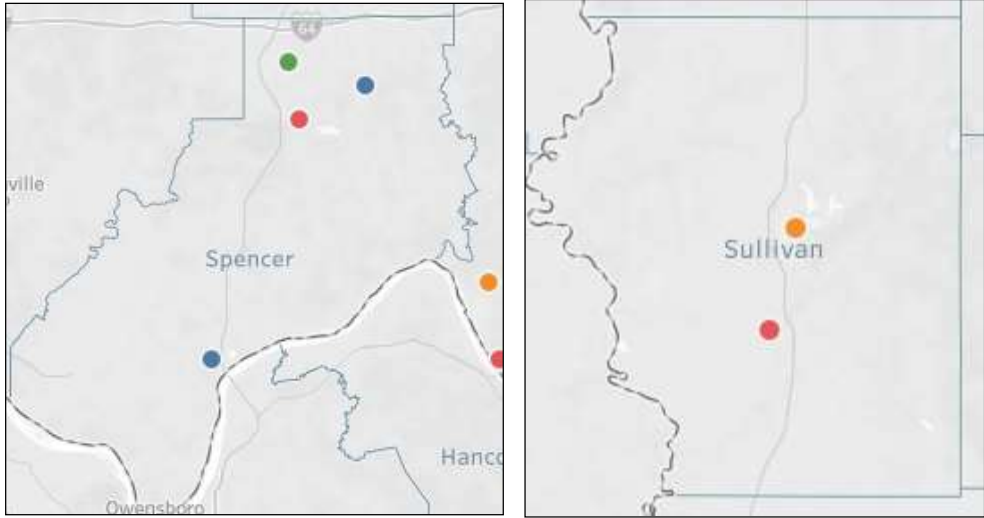


Figure D.35 Industry clusters for Spencer County (left) and Sullivan County (right).

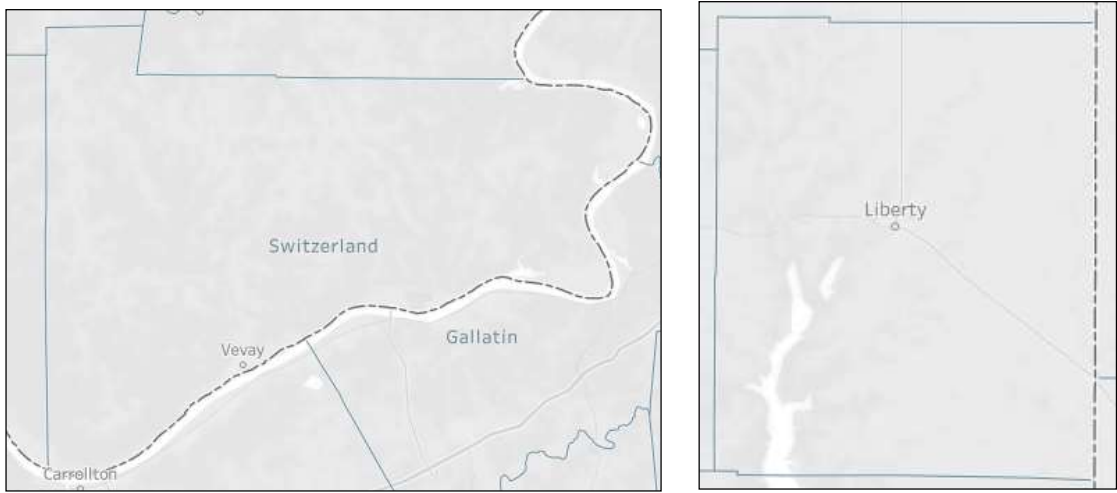


Figure D.36 Industry clusters for Switzerland County (left) and Union County (right).

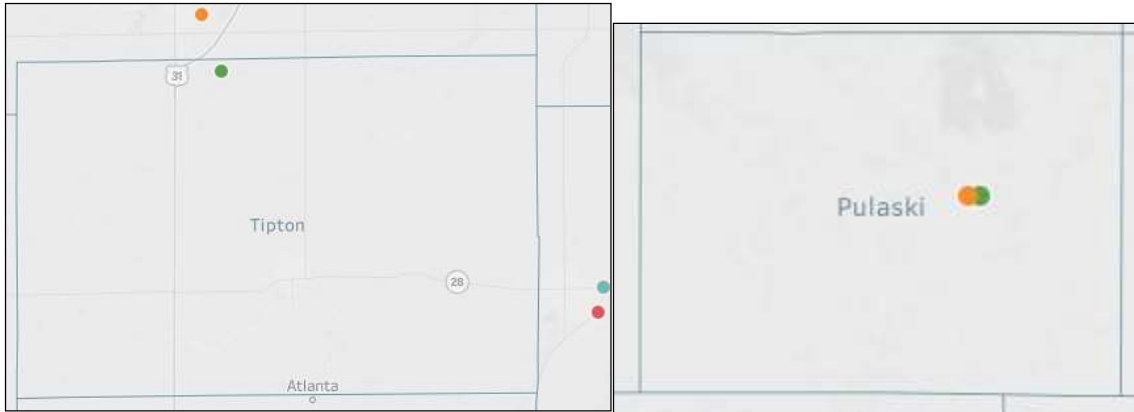


Figure D.37 Industry clusters for Tipton County (left) and Pulaski County (right).

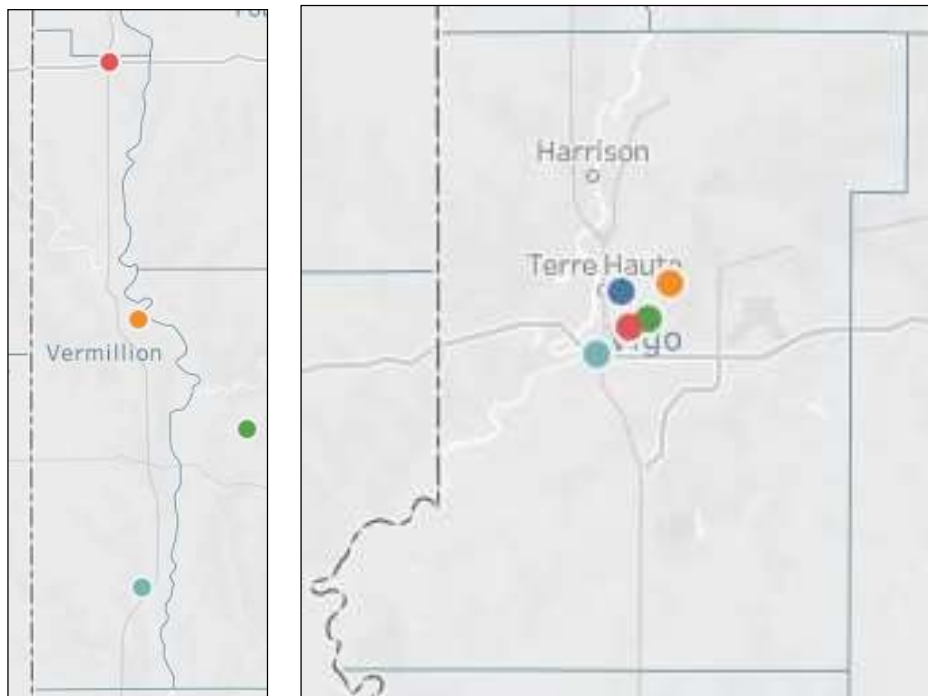


Figure D.38 Industry clusters for Vermillion County (left) and Vigo County (right).

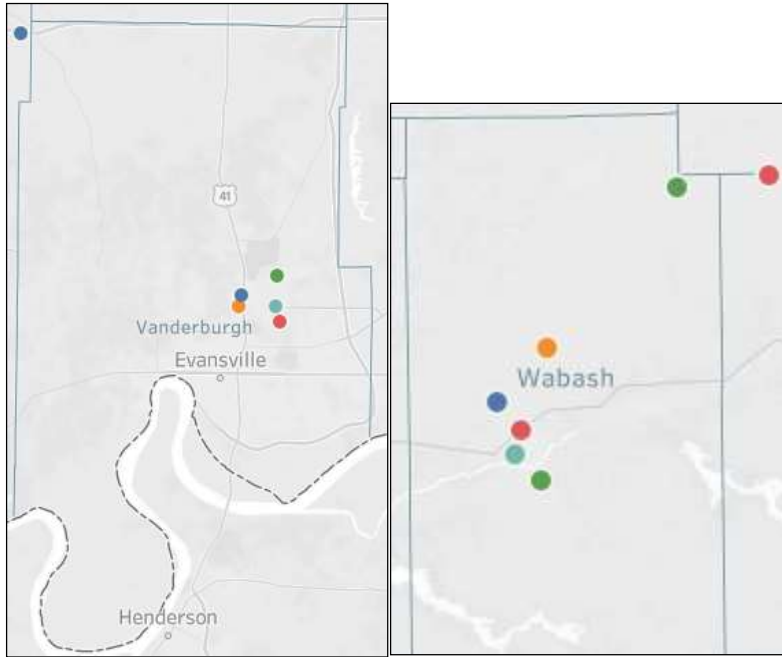


Figure D.39 Industry clusters for Vanderburgh County (left) and Wabash County (right).

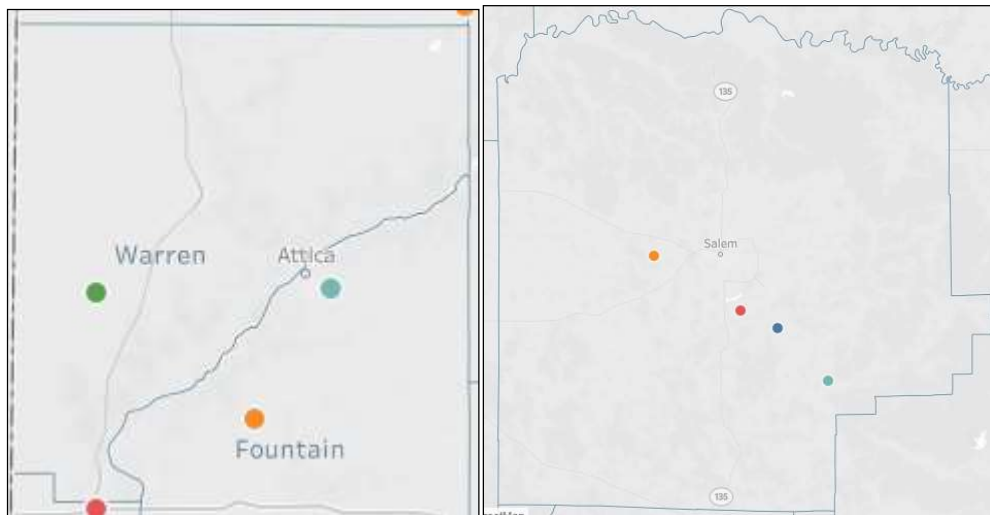


Figure D.40 Industry clusters for Warren County (left) and Washington County (right).

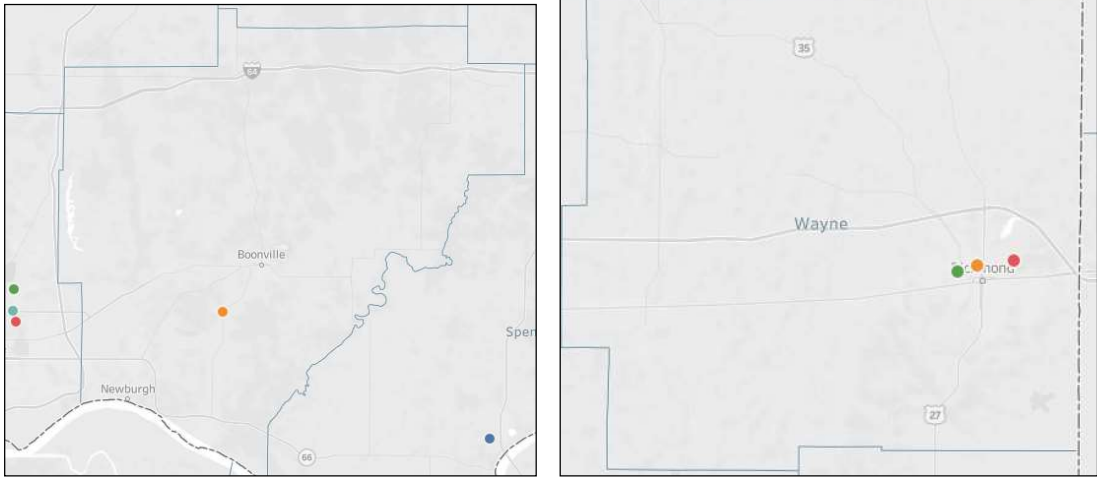


Figure D.41 Industry clusters for Warrick County (left) and Wayne County (right).



Figure D.42 Industry clusters for Wells County (left) and White County (right).



## About the Joint Transportation Research Program (JTRP)

On March 11, 1937, the Indiana Legislature passed an act which authorized the Indiana State Highway Commission to cooperate with and assist Purdue University in developing the best methods of improving and maintaining the highways of the state and the respective counties thereof. That collaborative effort was called the Joint Highway Research Project (JHRP). In 1997 the collaborative venture was renamed as the Joint Transportation Research Program (JTRP) to reflect the state and national efforts to integrate the management and operation of various transportation modes.

The first studies of JHRP were concerned with Test Road No. 1 — evaluation of the weathering characteristics of stabilized materials. After World War II, the JHRP program grew substantially and was regularly producing technical reports. Over 1,600 technical reports are now available, published as part of the JHRP and subsequently JTRP collaborative venture between Purdue University and what is now the Indiana Department of Transportation.

Free online access to all reports is provided through a unique collaboration between JTRP and Purdue Libraries. These are available at <http://docs.lib.purdue.edu/jtrp>.

Further information about JTRP and its current research program is available at <http://www.purdue.edu/jtrp>.

## About This Report

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