

THE ECONOMIC BENEFITS OF PURDUE UNIVERSITY FORT WAYNE

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Summary of Key Results

Through fulfilling its primary mission of providing education to thousands of Indiana students, Purdue University Fort Wayne generates a significant business stimulus. The University is the largest in the northeastern Indiana region, offering more than 200 academic programs and enrolling thousands of students.

The Perryman Group estimates that the **total ongoing impact** of Purdue University Fort Wayne on Indiana business activity includes an estimated **\$269.1 million** in gross product each year and nearly **3,350** jobs when multiplier effects through the economy are included. Benefits are concentrated in the local Fort Wayne area and surrounding region.

- The portion of these ongoing benefits associated with University operations is estimated to include **\$230.9 million** in gross product each year and **2,868** jobs.
- Student and visitor spending add another **\$38.2 million** in Indiana gross product each year and **480** jobs.

A number of **construction projects** to enhance Purdue University Fort Wayne facilities have recently been completed, are underway, or are planned in response to expected growth in enrollment and changing needs. Recent, current, and planned construction projects generate an estimated **\$328.4 million** in gross product and **3,650** person-years of employment in Indiana (including multiplier effects), with effects concentrated in the Fort Wayne area.

Based on alumni surveys and other information, The Perryman Group estimated the annual economic benefits of **employed graduates** of Purdue University Fort Wayne and found that they include more than **\$11.0 billion** in gross product each year and **101,999** jobs across Indiana when multiplier effects are considered, with benefits concentrated in the local area and surrounding region.

Introduction

Purdue University Fort Wayne is the largest university in the northeastern Indiana region. The University offers more than 200 academic programs and generates a significant business stimulus while fulfilling its core mission of providing excellent higher education opportunities.

Purdue University Fort Wayne not only provides quality education to thousands of students, but also generates a substantial economic stimulus through its operations.

Purdue Fort Wayne is a crucial element of Indiana's higher education provision, enrolling 8,471 undergraduate and graduate students, as well as 3,089 dual-credit high school students, in academic year 2018-2019. Research and entrepreneurship associated with the University further enhances its role in the economy of the local area, region, and state.

Purdue University Fort Wayne not only provides quality education to thousands of students, but also generates a substantial economic stimulus through its operations. In addition to providing hundreds of direct high-paying jobs, the University engages in a number of activities ranging from construction projects to research programs that positively affect the economy of the region and beyond. Graduates also enhance the workforce, leading to improved economic performance.

Any economic stimulus, whether positive or negative, generates multiplier effects throughout the economy. In this instance, Purdue University Fort

Purdue University Fort Wayne's ongoing operations, student and visitor spending, construction projects, graduates, and other initiatives generate multiplier effects and dynamic responses rippling through the economy.

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The Perryman Group (TPG) was recently asked to examine the total economic benefits of Purdue University Fort Wayne, including

multiplier effects. Results were measured for Indiana, Northeast Indiana,¹ the Fort Wayne Metropolitan Statistical Area (MSA),² Allen County, and the City of Fort Wayne. This report and the accompanying Appendices describe The Perryman Group's results as well as the methods and assumptions used in this assessment.

¹ Northeast Indiana includes the counties of La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams.

² The Fort Wayne MSA includes Allen, Wells, and Whitley counties.

Ongoing Economic Benefits

The Perryman Group measured ongoing economic benefits of Purdue University Fort Wayne associated with operations of the university and student and visitor spending. The University generates economic activity through providing well-paying jobs for instruction, administration, and other necessary aspects of operating the institution and its facilities. Direct employment and operations spending lead to ripple effects through the economy. For example, the University purchases needed goods and services from other firms in the local area, region, and state, leading to additional business activity. As wages and salaries are spent, further economic benefits are generated.

When multiplier effects are considered, the total annual increase in Indiana business activity associated with University operations is estimated to include **\$230.9 million** in gross product each year and **2,868** jobs. Benefits

are concentrated in the local area, as described in the following table. (A brief overview of the methods used to measure economic impacts and a definition of terms is provided on page 7, with further detail in the Appendices to this report.)

In addition, the students attending and persons visiting the University generate a substantial economic stimulus through spending for housing and accommodations, food, and other expenses. The Perryman Group estimated the direct student spending on a “net” basis, adjusting for individuals who would likely be in the area even without Purdue University Fort Wayne. Direct spending estimates were also adjusted to reflect spending by out-of-area students as well as an estimate of those who would leave the area if not for the presence of the University. Visitor spending was approximated based on typical patterns in other institutions of comparable size and scope. Multiplier effects on student and visitor spending were then quantified. The Perryman Group estimates that the increase in Indiana business activity associated with student and visitor spending includes **\$38.2 million** in gross product each year and **480** jobs. These benefits are also concentrated in the local area.

*When multiplier effects are considered, the total annual increase in Indiana business activity associated with Purdue University Fort Wayne operations and student and visitor spending is estimated to include **\$269.1 million** in gross product each year and nearly **3,350** jobs, with benefits concentrated in the local area.*

The economic benefits of operations and student and visitor spending results can be summed to provide an estimate of the total economic benefits of ongoing operations of the University. Including multiplier effects, the total ongoing impact of Purdue University Fort Wayne on Indiana business activity includes an estimated **\$269.1 million** in gross product each year and nearly **3,350 jobs**. See the Appendices for results by major industry group.

The Annual Economic Benefits of Ongoing Operations and Student and Visitor Spending Associated with Purdue University Fort Wayne for the State, Region, and Local Area

		Total Expenditures (Millions of 2019 Dollars)	Gross Product (Millions of 2019 Dollars)	Personal Income (Millions of 2019 Dollars)	Employment (Permanent Jobs)
Indiana	Operations	\$430.4	\$230.9	\$167.2	2,868
	Student and Visitor Spending*	\$78.2	\$38.2	\$23.8	480
	Total	\$508.7	\$269.1	\$190.9	3,348
Northeast Indiana	Operations	\$412.2	\$221.9	\$161.2	2,775
	Student and Visitor Spending*	\$74.9	\$36.8	\$22.7	464
	Total	\$487.1	\$258.7	\$183.9	3,239
Fort Wayne MSA*	Operations	\$401.8	\$218.0	\$158.7	2,737
	Student and Visitor Spending*	\$72.6	\$36.0	\$22.2	457
	Total	\$474.4	\$254.0	\$181.0	3,193
Allen County	Operations	\$394.7	\$215.0	\$156.9	2,705
	Student and Visitor Spending*	\$71.2	\$35.4	\$21.9	451
	Total	\$465.9	\$250.4	\$178.8	3,156
City of Fort Wayne	Operations	\$388.2	\$212.0	\$155.0	2,672
	Student and Visitor Spending*	\$69.9	\$34.8	\$21.5	445
	Total	\$458.0	\$246.8	\$176.5	3,116

* Note: Each geographic area includes results within smaller geographic areas within it as well as spillover to other areas. Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties. The Fort Wayne Metropolitan Statistical Area (MSA) includes Allen, Wells, and Whitley counties. Student spending is net incremental spending and includes spending by out-of-area students as well as an estimate of those who would leave the area for education in the absence of the University. Visitor spending is estimated based on enrollment and typical patterns. Results for student and visitor spending are presented separately in the Appendices. Components may not sum to totals due to rounding. Source: US Multi-Regional Impact Assessment System, The Perryman Group

In addition, faculty and staff at Purdue University Fort Wayne receive grants which fund research activities, the local effects of which are included in the operational impacts described above. The Perryman Group estimates that when multiplier effects are considered, the spillover benefits associated with current levels of research lead to total annual economic and social returns of approximately **\$1.1 million** in spending across the US economy and **\$1.4 million** globally; over the next 10 years, these effects from a single year of research activity total an estimated **\$9.5 million** across the US and **\$12.0 million** globally (on a discounted present value basis). Over time, research can lead to total spending of additional commercialization of findings, entrepreneurial ventures, and other spinoff benefits.

Measuring Economic Impacts

The Perryman Group's input-output assessment system (the US Multi-Regional Impact Assessment System, which is described in further detail in the Appendices to this report) was developed by the firm more than 35 years ago and has been consistently maintained and updated since that time. The model has been used in hundreds of analyses for clients ranging from major corporations to government agencies and has been peer reviewed on multiple occasions. The impact system uses a variety of data (from surveys, industry information, and other sources) to describe the various goods and services (known as resources or inputs) required to produce another good/service. This process allows for estimation of the total economic impact (including multiplier effects) of Purdue University Fort Wayne. The models used in the current analysis reflect the specific industrial composition and characteristics of the Indiana, Northeast Indiana (La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties), the Fort Wayne Metropolitan Statistical Area (MSA—Allen, Wells, and Whitley counties), and Allen County (with results localized to the City of Fort Wayne) economies.

Total economic effects are quantified for key measures of business activity:

- **Total expenditures** (or total spending) measure the dollars changing hands as a result of the economic stimulus.
- **Gross product** (or output) is production of goods and services that will come about in each area as a result of the activity. This measure is parallel to the gross domestic product numbers commonly reported by various media outlets and is a subset of total expenditures.
- **Personal income** is dollars that end up in the hands of people in the area; the vast majority of this aggregate derives from the earnings of employees, but payments such as interest and rents are also included.
- **Job gains** are expressed as person-years of employment for a temporary stimulus (such as construction) or permanent jobs for effects that would be ongoing.

Monetary values were quantified on a constant (2019) basis to eliminate the effects of inflation. See the Appendices for additional information regarding the methods and assumptions used in this analysis.

Economic Benefits of Construction Projects

A number of construction projects to enhance Purdue University Fort Wayne facilities have recently been completed, are underway, or are planned in response to expected growth in enrollment and changing needs. These projects

enable the University to better fulfill its mission.

*Recent, current, and planned construction projects generate an estimated **\$328.4 million** in gross product and **3,650 person-years** of employment in Indiana (including multiplier effects), with effects concentrated in the Fort Wayne area.*

Recent and current improvements include such things as renovations and upgrades to HVAC, roof replacements, as well as other improvements.

The Perryman Group estimates that the recent and anticipated basic construction projects lead to gains in Indiana business activity including **\$12.5 million** in gross product and **137** person-years of employment when multiplier effects are considered.

Economic Benefits of Recent and Anticipated Basic Construction Spending at Purdue University Fort Wayne

	Total Expenditures (Millions of 2019 Dollars)	Gross Product (Millions of 2019 Dollars)	Personal Income (Millions of 2019 Dollars)	Employment (Person-Years)
Indiana	\$24.9	\$12.5	\$8.6	137
Northeast Indiana*	\$23.9	\$12.0	\$8.2	132
Fort Wayne MSA*	\$23.2	\$11.7	\$8.1	130
Allen County	\$22.8	\$11.5	\$7.9	128
City of Fort Wayne	\$22.3	\$11.4	\$7.8	126

* Note: Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties. The Fort Wayne Metropolitan Statistical Area (MSA) includes Adams, Wells, and Whitley counties. A person-year is one person working for one year.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Planned investments in the future are part of the 10-year capital plan for new facilities. These involve major construction projects including a new Engineering Technology and Computer Science Addition for Advanced Manufacturing and

Industrial Technology; a Business Leadership, Career Development, and Campus Welcome Center; a Rhinehart Music Building addition, and other projects and major renovations. These projects will require state appropriations, as well as other sources of funding, but are necessary to meet the anticipated needs of the University. These planned projects involve direct investment of nearly \$190 million including both state and other funding sources, and lead to multiplier effects across the economy.

The major projects associated with the 10-year capital plan generate sizable, though transitory gains in Indiana business activity including **\$315.8 million** in gross product and **3,513** person-years of employment. Benefits are concentrated in the local area. Results for both the recent basic construction activity and planned construction as part of the 10-year capital plan are presented in the following tables, with industry detail in the Appendices.

Economic Benefits of Planned New Major Construction Projects* at Purdue University Fort Wayne

	Total Expenditures (Millions of 2019 Dollars)	Gross Product (Millions of 2019 Dollars)	Personal Income (Millions of 2019 Dollars)	Employment (Person-Years)
Indiana	\$665.1	\$315.8	\$215.3	3,513
Northeast Indiana*	\$635.1	\$300.9	\$204.9	3,358
Fort Wayne MSA*	\$617.6	\$294.2	\$200.7	3,293
Allen County	\$605.5	\$289.0	\$197.5	3,239
City of Fort Wayne	\$594.7	\$284.1	\$194.4	3,186

* Note: Benefits associated with planned projects over the next 10 years to meet anticipated needs of the University. Assumes necessary state appropriations and funding availability. Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties. The Fort Wayne Metropolitan Statistical Area (MSA) includes Adams, Wells, and Whitley counties. A person-year is one person working for one year.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Economic Benefits of Graduates

A substantial proportion of Purdue University Fort Wayne graduates continue to live and work in the state and local area. While some of these individuals would still be working in the region even without the presence of Purdue University Fort Wayne, the University certainly contributes to the productivity of graduates and, therefore, the overall workforce and economy.

Based on alumni surveys and other information and a typical distribution of jobs requiring the types of degrees offered at the University, The Perryman Group estimated the annual economic benefits of employed graduates of Purdue University Fort Wayne and found that they include more than **\$11.0 billion** in gross product each year and **101,999** jobs across Indiana when multiplier effects are considered, with benefits concentrated in the local area and surrounding region.

Annual Economic Benefits of Employed Graduates of Purdue University Fort Wayne

	Total Expenditures (Millions of 2019 Dollars)	Gross Product (Millions of 2019 Dollars)	Personal Income (Millions of 2019 Dollars)	Employment (Permanent Jobs)
Indiana	\$24,472.6	\$11,028.2	\$6,570.9	101,999
Northeast Indiana*	\$19,926.4	\$8,945.4	\$5,297.8	82,450
Fort Wayne MSA*	\$15,105.3	\$6,819.6	\$4,035.5	62,854
Allen County	\$13,754.1	\$6,220.7	\$3,679.0	57,256
City of Fort Wayne	\$11,561.6	\$5,228.5	\$3,087.9	48,011

* Note: Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties. The Fort Wayne Metropolitan Statistical Area (MSA) includes Adams, Wells, and Whitley counties.

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Conclusion

Through its operations and student and visitor spending, Purdue University Fort Wayne generates an estimated **\$269.1 million** in Indiana gross product each year and nearly **3,350** jobs across the state (including multiplier effects). Construction projects lead to a notable, though transitory stimulus, with recent and planned projects providing an additional stimulus. The economic activity associated with graduates is also very large and growing and represents a substantial stimulus to the economy.

As the largest university in northeast Indiana, Purdue University Fort Wayne is an important provider of higher education to students in the region and beyond. Through fulfilling this crucial role, the University also generates thousands of jobs in Indiana and, in particular, the Fort Wayne area. When the economic benefits of graduates are considered, the University's role in the local, regional, and state economies is even larger.

Purdue University Fort Wayne is an important component of the Indiana higher education system. The University offers educational programs which enhance the professional and personal success of graduates and generates a substantial economic stimulus.

Appendix A: Methods Used

The basic modeling technique employed in this study is known as dynamic input-output analysis. This methodology essentially uses extensive survey data, industry information, and a variety of corroborative source materials to create a matrix describing the various goods and services (known as resources or inputs) required to produce one unit (a dollar's worth) of output for a given sector. Once the base information is compiled, it can be mathematically simulated to generate evaluations of the magnitude of successive rounds of activity involved in the overall production process.

There are two essential steps in conducting an input-output analysis once the system is operational. The first major endeavor is to accurately define the levels of direct activity to be evaluated. In this case, input data regarding employment, enrollment, research grants, construction spending, and other needed information was provided by Purdue University Fort Wayne, with supplementary research by The Perryman Group. Student and visitor spending were based on typical patterns in comparable institutions fully adjusted for local cost-of-living patterns. Societal and economic benefits from research were estimated on a global and national scale and were determined based on detailed academic studies related to the relevant returns to investments in research.³ The distribution of graduates was based on employment patterns in the relevant educational fields, with the sub-regional allocations being estimated using gravity modeling.

The second major phase of the analysis is the simulation of the input-output system to measure overall economic effects associated with Purdue University Fort Wayne. The present study was conducted within the context of the US Multi-Regional Impact Assessment System (USMRIAS) which was developed and is maintained by The Perryman Group. This model has been used in hundreds of diverse applications across the country and has an excellent reputation for accuracy and credibility; it has also been peer reviewed on multiple occasions. The systems used in the current simulations reflect the unique industrial structure of Allen County, the Fort Wayne Metropolitan Statistical Area (MSA – Allen, Wells, and Whitley counties), Northeast Indiana (La Grange, Steuben, Noble, DeKalb,

³ See, in particular, Hall Bronwyn, Jacques Mairesse, and Pierre Mohnen; *Measuring the Returns to R&D*; chapter prepared for the *Handbook of the Economics of Innovation*, editors B.H. Hall and N. Rosenberg. December 2009. Frontier Economics, Rates of return to investment in science and innovation, report prepared for the Department for Business Innovation and Skills, July 2014.

Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties), and Indiana economies. Effects were localized to the City of Fort Wayne using techniques such as gravity modeling.

The USMRIAS is somewhat similar in format to the Input-Output Model of the United States which is maintained by the US Department of Commerce. The model developed by TPG, however, incorporates several important enhancements and refinements. Specifically, the expanded system includes (1) comprehensive 500-sector coverage for any county, multi-county, or urban region; (2) calculation of both total expenditures and value-added by industry and region; (3) direct estimation of expenditures for multiple basic input choices (expenditures, output, income, or employment); (4) extensive parameter localization; (5) price adjustments for real and nominal assessments by sectors and areas; (6) measurement of the induced impacts associated with payrolls and consumer spending; (7) embedded modules to estimate multi-sectoral direct spending effects; (8) estimation of retail spending activity by consumers; and (9) comprehensive linkage and integration capabilities with a wide variety of econometric, real estate, occupational, and fiscal impact models.

The impact assessment (input-output) process essentially estimates the amounts of all types of goods and services required to produce one unit (a dollar's worth) of a specific type of output. For purposes of illustrating the nature of the system, it is useful to think of inputs and outputs in dollar (rather than physical) terms. As an example, the construction of a new building will require specific dollar amounts of lumber, glass, concrete, hand tools, architectural services, interior design services, paint, plumbing, and numerous other elements. Each of these suppliers must, in turn, purchase additional dollar amounts of inputs. This process continues through multiple rounds of production, thus generating subsequent increments to business activity. The initial process of building the facility is known as the *direct effect*. The ensuing transactions in the output chain constitute the *indirect effect*.

Another pattern that arises in response to any direct economic activity comes from the payroll dollars received by employees at each stage of the production cycle. As workers are compensated, they use some of their income for taxes, savings, and purchases from external markets. A substantial portion, however, is spent locally on food, clothing, health care services, utilities, housing, recreation, and other items. Typical purchasing patterns in the relevant areas are obtained from the Center for Community and Economic Research *Cost of Living Index*, a privately compiled inter-regional measure which has been widely used for several decades, and the *Consumer Expenditure Survey* of the US Department of Labor. These initial outlays by area residents generate further secondary activity as local

providers acquire inputs to meet this consumer demand. These consumer spending impacts are known as the *induced effect*. The USMRIAS is designed to provide realistic, yet conservative, estimates of these phenomena.

Sources for information used in this process include the Bureau of the Census, the Bureau of Labor Statistics, the Regional Economic Information System of the US Department of Commerce, and other public and private sources. The pricing data are compiled from the US Department of Labor and the US Department of Commerce. The verification and testing procedures make use of extensive public and private sources.

Impacts were measured in constant 2019 dollars to eliminate the effects of inflation.

The USMRIAS generates estimates of the effect on several measures of business activity. The most comprehensive measure of economic activity used in this study is **Total Expenditures**. This measure incorporates every dollar that changes hands in any transaction. For example, suppose a farmer sells wheat to a miller for \$0.50; the miller then sells flour to a baker for \$0.75; the baker, in turn, sells bread to a customer for \$1.25. The Total Expenditures recorded in this instance would be \$2.50, that is, $\$0.50 + \$0.75 + \$1.25$. This measure is quite broad but is useful in that (1) it reflects the overall interplay of all industries in the economy, and (2) some key fiscal variables such as sales taxes are linked to aggregate spending.

A second measure of business activity frequently employed in this analysis is that of **Gross Product**. This indicator represents the regional equivalent of Gross Domestic Product, the most commonly reported statistic regarding national economic performance. In other words, the Gross Product of Texas is the amount of US output that is produced in that state; it is defined as the value of all final goods produced in a given region for a specific period of time. Stated differently, it captures the amount of value-added (gross area product) over intermediate goods and services at each stage of the production process, that is, it eliminates the double counting in the Total Expenditures concept. Using the example above, the Gross Product is \$1.25 (the value of the bread) rather than \$2.50.

Alternatively, it may be viewed as the sum of the value-added by the farmer, \$0.50; the miller, \$0.25 ($\$0.75 - \0.50); and the baker, \$0.50 ($\$1.25 - \0.75). The total value-added is, therefore, \$1.25, which is equivalent to the final value of the bread. In many industries, the primary component of value-added is the wage and salary payments to employees.

The third gauge of economic activity used in this evaluation is **Personal Income**. As the name implies, Personal Income is simply the income received by individuals, whether in the form of wages, salaries, interest, dividends, proprietors' profits, or other sources. It may thus be viewed as the segment of overall impacts which flows directly to the citizenry.

The fourth measure, **Retail Sales**, represents the component of Total Expenditures which occurs in retail outlets (general merchandise stores, automobile dealers and service stations, building materials stores, food stores, drugstores, restaurants, and so forth). Retail Sales is a commonly used measure of consumer activity.

The final aggregates used are **Permanent Jobs and Person-Years of Employment**, reflect the full-time equivalent jobs generated by an activity. For an economic stimulus expected to endure (such as the ongoing operations of a facility), the Permanent Jobs Measure is used. It should be noted that, unlike the dollar values described above, Permanent Jobs is a "stock" rather than a "flow." In other words, if an area produces \$1 million in output in 2018 and \$1 million in 2019, it is appropriate to say that \$2 million was achieved in the 2018-19 period. If the same area has 100 people working in 2018 and 100 in 2019, it only has 100 Permanent Jobs. When a flow of jobs is measured, such as in a construction project or a cumulative assessment over multiple years, it is appropriate to measure employment in Person-Years (a person working for a year). This concept is distinct from Permanent Jobs, which anticipates that the relevant positions will be maintained on a continuing basis.

Appendix B: Detailed Sectoral Results

Ongoing Operations



The Impact of Current Operations Associated with Purdue University Fort Wayne on Business Activity in Indiana

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$6,442,373	\$1,964,279	\$1,283,762	19
Mining	\$4,971,068	\$1,168,997	\$677,544	3
Construction	\$10,457,081	\$5,610,700	\$4,623,568	62
Manufacturing	\$52,159,196	\$15,755,975	\$8,852,677	130
Transportation & Utilities	\$31,522,222	\$12,654,133	\$7,413,393	79
Information	\$8,030,892	\$4,951,780	\$2,114,069	18
Wholesale Trade	\$11,513,299	\$7,791,757	\$4,492,795	48
Retail Trade*	\$50,907,911	\$38,050,025	\$22,094,803	648
Financial Activities*	\$47,770,919	\$13,408,552	\$4,705,207	46
Business Services	\$13,502,677	\$8,309,298	\$6,778,260	79
Health Services	\$11,966,753	\$8,375,504	\$7,081,563	112
Other Services	\$181,194,934	\$112,809,488	\$97,072,110	1,624
Total, All Industries	\$430,439,325	\$230,850,490	\$167,189,752	2,868

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Current Operations Associated with Purdue University Fort Wayne on Business Activity in the Northeast Indiana Region

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$6,313,526	\$1,924,993	\$1,258,086	19
Mining	\$4,871,647	\$1,145,617	\$663,993	3
Construction	\$9,991,599	\$5,360,948	\$4,417,757	59
Manufacturing	\$51,116,012	\$15,440,856	\$8,675,623	128
Transportation & Utilities	\$25,368,038	\$10,183,626	\$5,966,053	64
Information	\$7,870,274	\$4,852,745	\$2,071,788	17
Wholesale Trade	\$11,283,033	\$7,635,922	\$4,402,939	48
Retail Trade*	\$49,583,949	\$37,060,458	\$21,520,184	632
Financial Activities*	\$45,319,674	\$12,720,526	\$4,463,771	43
Business Services	\$10,695,589	\$6,581,868	\$5,369,119	62
Health Services	\$10,476,716	\$7,332,630	\$6,199,804	98
Other Services	\$179,343,221	\$111,692,396	\$96,153,016	1,603
Total, All Industries	\$412,233,278	\$221,932,586	\$161,162,133	2,775

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties.

The Impact of Current Operations Associated with Purdue University Fort Wayne on Business Activity in the Fort Wayne Metropolitan Statistical Area

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$3,144,817	\$958,854	\$626,663	9
Mining	\$2,426,606	\$570,641	\$330,740	2
Construction	\$9,791,767	\$5,253,729	\$4,329,402	58
Manufacturing	\$50,093,692	\$15,132,039	\$8,502,111	125
Transportation & Utilities	\$24,860,677	\$9,979,954	\$5,846,732	63
Information	\$7,712,869	\$4,755,690	\$2,030,352	17
Wholesale Trade	\$11,057,372	\$7,483,203	\$4,314,880	47
Retail Trade*	\$48,592,270	\$36,319,249	\$21,089,780	619
Financial Activities*	\$44,413,281	\$12,466,116	\$4,374,496	43
Business Services	\$10,481,677	\$6,450,231	\$5,261,737	61
Health Services	\$10,267,182	\$7,185,978	\$6,075,808	96
Other Services	\$178,940,616	\$111,445,431	\$95,952,417	1,598
Total, All Industries	\$401,782,825	\$218,001,114	\$158,735,117	2,737

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Fort Wayne Metropolitan Statistical Area (MSA) includes Adams, Wells, and Whitley counties.

The Impact of Current Operations Associated with Purdue University Fort Wayne on Business Activity in Allen County

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$1,817,210	\$554,067	\$362,113	5
Mining	\$1,402,197	\$329,741	\$191,116	1
Construction	\$9,595,932	\$5,148,655	\$4,242,814	57
Manufacturing	\$49,091,818	\$14,829,398	\$8,332,069	123
Transportation & Utilities	\$24,363,463	\$9,780,355	\$5,729,797	61
Information	\$7,558,611	\$4,660,576	\$1,989,745	17
Wholesale Trade	\$10,836,225	\$7,333,539	\$4,228,582	46
Retail Trade*	\$47,620,425	\$35,592,864	\$20,667,985	607
Financial Activities*	\$43,525,015	\$12,216,794	\$4,287,006	42
Business Services	\$10,272,043	\$6,321,226	\$5,156,502	60
Health Services	\$10,061,838	\$7,042,258	\$5,954,292	94
Other Services	\$178,546,064	\$111,203,406	\$95,755,831	1,594
Total, All Industries	\$394,690,842	\$215,012,878	\$156,897,850	2,705

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Current Operations Associated with Purdue University Fort Wayne on Business Activity in the City of Fort Wayne

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$1,207,713	\$368,232	\$240,659	4
Mining	\$931,896	\$219,145	\$127,015	1
Construction	\$8,595,793	\$4,612,035	\$3,800,605	51
Manufacturing	\$48,109,982	\$14,532,810	\$8,165,427	120
Transportation & Utilities	\$23,876,194	\$9,584,747	\$5,615,201	60
Information	\$7,407,439	\$4,567,364	\$1,949,950	16
Wholesale Trade	\$10,619,500	\$7,186,869	\$4,144,011	45
Retail Trade*	\$46,668,016	\$34,881,007	\$20,254,625	594
Financial Activities*	\$42,654,515	\$11,972,458	\$4,201,266	41
Business Services	\$10,066,602	\$6,194,802	\$5,053,372	59
Health Services	\$9,860,602	\$6,901,413	\$5,835,206	92
Other Services	\$178,159,403	\$110,966,221	\$95,563,176	1,589
Total, All Industries	\$388,157,656	\$211,987,101	\$154,950,514	2,672

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Student Spending



The Impact of Current Student Spending Associated with Purdue University Fort Wayne on Business Activity in Indiana

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$1,180,441	\$355,258	\$227,586	3
Mining	\$961,125	\$227,407	\$137,389	1
Construction	\$1,571,780	\$805,475	\$663,761	9
Manufacturing	\$8,005,533	\$2,401,659	\$1,346,384	20
Transportation & Utilities	\$6,240,823	\$2,285,300	\$1,292,699	13
Information	\$1,826,452	\$1,128,521	\$481,802	4
Wholesale Trade	\$1,815,564	\$1,228,595	\$708,419	8
Retail Trade*	\$16,927,252	\$12,781,355	\$7,445,027	215
Financial Activities*	\$11,203,253	\$1,841,802	\$682,478	7
Business Services	\$2,415,735	\$1,422,034	\$1,160,015	13
Health Services	\$3,254,781	\$2,306,918	\$1,950,521	31
Other Services	\$6,018,752	\$3,126,030	\$2,471,892	51
Total, All Industries	\$61,421,490	\$29,910,355	\$18,567,973	375

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Current Student Spending Associated with Purdue University Fort Wayne on Business Activity in the Northeast Indiana Region

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$1,156,832	\$348,152	\$223,034	3
Mining	\$941,903	\$222,859	\$134,641	1
Construction	\$1,501,815	\$769,620	\$634,215	8
Manufacturing	\$7,845,422	\$2,353,626	\$1,319,456	20
Transportation & Utilities	\$5,425,426	\$1,950,333	\$1,095,772	11
Information	\$1,803,685	\$1,114,454	\$475,796	4
Wholesale Trade	\$1,779,253	\$1,204,023	\$694,251	8
Retail Trade*	\$16,749,490	\$12,647,596	\$7,367,194	213
Financial Activities*	\$10,887,312	\$1,772,727	\$651,556	6
Business Services	\$2,199,624	\$1,294,819	\$1,056,241	12
Health Services	\$3,049,429	\$2,161,369	\$1,827,457	29
Other Services	\$5,644,587	\$2,967,100	\$2,340,806	48
Total, All Industries	\$58,984,777	\$28,806,681	\$17,820,420	363

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties.

The Impact of Current Student Spending Associated with Purdue University Fort Wayne on Business Activity in the Fort Wayne Metropolitan Statistical Area

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$576,227	\$173,417	\$111,095	2
Mining	\$469,169	\$111,008	\$67,066	0
Construction	\$1,471,778	\$754,228	\$621,531	8
Manufacturing	\$7,688,514	\$2,306,554	\$1,293,067	19
Transportation & Utilities	\$5,358,203	\$1,922,718	\$1,079,537	11
Information	\$1,781,373	\$1,100,668	\$469,911	4
Wholesale Trade	\$1,743,668	\$1,179,943	\$680,366	7
Retail Trade*	\$16,616,343	\$12,547,407	\$7,308,896	211
Financial Activities*	\$10,770,487	\$1,747,186	\$640,122	6
Business Services	\$2,183,155	\$1,285,125	\$1,048,333	12
Health Services	\$3,020,552	\$2,140,901	\$1,810,152	28
Other Services	\$5,572,981	\$2,932,564	\$2,312,699	47
Total, All Industries	\$57,252,450	\$28,201,719	\$17,442,774	357

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Fort Wayne Metropolitan Statistical Area (MSA) includes Adams, Wells, and Whitley counties.

The Impact of Current Student Spending Associated with Purdue University Fort Wayne on Business Activity in Allen County

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$332,969	\$100,208	\$64,196	1
Mining	\$271,106	\$64,145	\$38,753	0
Construction	\$1,442,343	\$739,143	\$609,100	8
Manufacturing	\$7,534,743	\$2,260,423	\$1,267,205	19
Transportation & Utilities	\$5,292,325	\$1,895,655	\$1,063,627	11
Information	\$1,759,507	\$1,087,158	\$464,143	4
Wholesale Trade	\$1,708,794	\$1,156,344	\$666,758	7
Retail Trade*	\$16,485,858	\$12,449,222	\$7,251,763	209
Financial Activities*	\$10,655,998	\$1,722,155	\$628,917	6
Business Services	\$2,167,016	\$1,275,625	\$1,040,583	12
Health Services	\$2,992,252	\$2,120,843	\$1,793,192	28
Other Services	\$5,502,808	\$2,898,718	\$2,285,155	47
Total, All Industries	\$56,145,719	\$27,769,639	\$17,173,393	353

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Current Student Spending Associated with Purdue University Fort Wayne on Business Activity in the City of Fort Wayne

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$221,290	\$66,598	\$42,664	1
Mining	\$180,176	\$42,631	\$25,755	0
Construction	\$1,292,014	\$662,106	\$545,617	7
Manufacturing	\$7,384,048	\$2,215,214	\$1,241,861	19
Transportation & Utilities	\$5,227,765	\$1,869,134	\$1,048,034	10
Information	\$1,738,079	\$1,073,918	\$458,490	4
Wholesale Trade	\$1,674,618	\$1,133,217	\$653,423	7
Retail Trade*	\$16,357,983	\$12,353,001	\$7,195,773	208
Financial Activities*	\$10,543,799	\$1,697,625	\$617,936	6
Business Services	\$2,151,200	\$1,266,314	\$1,032,988	12
Health Services	\$2,964,518	\$2,101,186	\$1,776,572	28
Other Services	\$5,434,037	\$2,865,549	\$2,258,162	46
Total, All Industries	\$55,169,529	\$27,346,492	\$16,897,276	348

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Visitor Spending



The Impact of Current Visitor Spending Associated with Purdue University Fort Wayne on Business Activity in Indiana

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$333,204	\$100,279	\$64,241	1
Mining	\$271,298	\$64,190	\$38,781	0
Construction	\$443,668	\$227,362	\$187,361	3
Manufacturing	\$2,259,730	\$677,919	\$380,045	6
Transportation & Utilities	\$1,691,973	\$622,226	\$352,510	4
Information	\$504,146	\$311,500	\$132,989	1
Wholesale Trade	\$512,481	\$346,797	\$199,966	2
Retail Trade*	\$4,787,555	\$3,613,010	\$2,104,206	61
Financial Activities*	\$2,781,602	\$482,488	\$186,618	2
Business Services	\$645,136	\$379,762	\$309,789	4
Health Services	\$893,571	\$633,344	\$535,498	8
Other Services	\$1,690,450	\$876,051	\$692,093	14
Total, All Industries	\$16,814,815	\$8,334,929	\$5,184,097	105

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Current Visitor Spending Associated with Purdue University Fort Wayne on Business Activity in the Northeast Indiana Region

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$326,540	\$98,273	\$62,956	1
Mining	\$265,872	\$62,907	\$38,005	0
Construction	\$423,919	\$217,242	\$179,021	2
Manufacturing	\$2,214,535	\$664,361	\$372,444	6
Transportation & Utilities	\$1,427,591	\$546,081	\$313,671	3
Information	\$494,063	\$305,270	\$130,330	1
Wholesale Trade	\$502,232	\$339,861	\$195,967	2
Retail Trade*	\$4,741,658	\$3,577,616	\$2,083,460	60
Financial Activities*	\$2,638,871	\$457,731	\$177,042	2
Business Services	\$511,018	\$300,813	\$245,386	3
Health Services	\$782,308	\$554,483	\$468,820	7
Other Services	\$1,586,393	\$831,184	\$654,430	13
Total, All Industries	\$15,915,000	\$7,955,821	\$4,921,532	101

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties.

The Impact of Current Visitor Spending Associated with Purdue University Fort Wayne on Business Activity in the Fort Wayne Metropolitan Statistical Area

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$162,652	\$48,951	\$31,359	0
Mining	\$132,433	\$31,334	\$18,931	0
Construction	\$415,440	\$212,897	\$175,440	2
Manufacturing	\$2,170,245	\$651,073	\$364,995	5
Transportation & Utilities	\$1,405,795	\$539,804	\$310,469	3
Information	\$484,182	\$299,165	\$127,723	1
Wholesale Trade	\$492,187	\$333,064	\$192,048	2
Retail Trade*	\$4,707,279	\$3,551,104	\$2,067,921	60
Financial Activities*	\$2,586,094	\$448,576	\$173,501	2
Business Services	\$500,797	\$294,797	\$240,479	3
Health Services	\$766,662	\$543,393	\$459,444	7
Other Services	\$1,559,249	\$816,975	\$642,925	13
Total, All Industries	\$15,383,015	\$7,771,133	\$4,805,235	100

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Fort Wayne Metropolitan Statistical Area (MSA) includes Adams, Wells, and Whitley counties.

The Impact of Current Visitor Spending Associated with Purdue University Fort Wayne on Business Activity in Allen County

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$93,987	\$28,286	\$18,121	0
Mining	\$76,525	\$18,106	\$10,939	0
Construction	\$407,132	\$208,639	\$171,931	2
Manufacturing	\$2,126,840	\$638,052	\$357,695	5
Transportation & Utilities	\$1,384,435	\$533,652	\$307,331	3
Information	\$474,498	\$293,181	\$125,168	1
Wholesale Trade	\$482,343	\$326,402	\$188,207	2
Retail Trade*	\$4,673,588	\$3,525,123	\$2,052,693	59
Financial Activities*	\$2,534,372	\$439,605	\$170,031	2
Business Services	\$490,781	\$288,901	\$235,669	3
Health Services	\$751,329	\$532,525	\$450,255	7
Other Services	\$1,532,647	\$803,050	\$631,650	13
Total, All Industries	\$15,028,478	\$7,635,522	\$4,719,691	98

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Current Visitor Spending Associated with Purdue University Fort Wayne on Business Activity in the City of Fort Wayne

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$62,464	\$18,799	\$12,043	0
Mining	\$50,859	\$12,033	\$7,270	0
Construction	\$364,698	\$186,893	\$154,012	2
Manufacturing	\$2,084,303	\$625,291	\$350,542	5
Transportation & Utilities	\$1,363,502	\$527,623	\$304,256	3
Information	\$465,008	\$287,318	\$122,665	1
Wholesale Trade	\$472,696	\$319,874	\$184,442	2
Retail Trade*	\$4,640,571	\$3,499,662	\$2,037,769	59
Financial Activities*	\$2,483,684	\$430,812	\$166,631	2
Business Services	\$480,966	\$283,123	\$230,956	3
Health Services	\$736,302	\$521,875	\$441,250	7
Other Services	\$1,506,578	\$789,403	\$620,601	13
Total, All Industries	\$14,711,632	\$7,502,706	\$4,632,436	97

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars per year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Recent and Planned Construction



The Impact of Recent and Anticipated Basic Construction Spending Associated with Purdue University Fort Wayne on Business Activity in Indiana

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$367,042	\$107,659	\$69,799	1
Mining	\$364,343	\$97,231	\$55,727	0
Construction	\$7,557,246	\$4,217,407	\$3,475,404	47
Manufacturing	\$5,018,887	\$1,630,365	\$950,800	12
Transportation & Utilities	\$1,696,934	\$736,370	\$441,770	5
Information	\$449,181	\$277,755	\$118,585	1
Wholesale Trade	\$987,211	\$667,966	\$385,158	4
Retail Trade*	\$3,407,727	\$2,591,794	\$1,513,029	43
Financial Activities*	\$2,404,857	\$598,981	\$246,740	2
Business Services	\$673,182	\$402,128	\$328,035	4
Health Services	\$728,217	\$509,712	\$430,968	7
Other Services	\$1,294,364	\$666,801	\$536,681	12
Total, All Industries	\$24,949,192	\$12,504,168	\$8,552,696	137

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year.

Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Recent and Anticipated Basic Construction Spending Associated with Purdue University Fort Wayne on Business Activity in the Northeast Indiana Region

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$359,701	\$105,506	\$68,403	1
Mining	\$357,056	\$95,286	\$54,612	0
Construction	\$7,539,475	\$4,207,489	\$3,467,231	46
Manufacturing	\$4,918,510	\$1,597,757	\$931,784	12
Transportation & Utilities	\$1,365,636	\$592,606	\$355,522	4
Information	\$440,198	\$272,200	\$116,213	1
Wholesale Trade	\$967,467	\$654,607	\$377,454	4
Retail Trade*	\$3,319,102	\$2,524,389	\$1,473,680	42
Financial Activities*	\$2,281,458	\$568,246	\$234,079	2
Business Services	\$533,233	\$318,529	\$259,840	3
Health Services	\$637,543	\$446,245	\$377,307	6
Other Services	\$1,183,362	\$615,801	\$495,322	11
Total, All Industries	\$23,902,742	\$11,998,661	\$8,211,448	132

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year.

Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties.

The Impact of Recent and Anticipated Basic Construction Spending Associated with Purdue University Fort Wayne on Business Activity in the Fort Wayne Metropolitan Statistical Area

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$179,170	\$52,553	\$34,072	0
Mining	\$177,853	\$47,463	\$27,203	0
Construction	\$7,531,846	\$4,203,231	\$3,463,723	46
Manufacturing	\$4,820,139	\$1,565,802	\$913,148	11
Transportation & Utilities	\$1,338,323	\$580,754	\$348,412	4
Information	\$431,394	\$266,756	\$113,889	1
Wholesale Trade	\$948,117	\$641,514	\$369,905	4
Retail Trade*	\$3,252,720	\$2,473,901	\$1,444,206	41
Financial Activities*	\$2,235,829	\$556,881	\$229,397	2
Business Services	\$522,568	\$312,159	\$254,643	3
Health Services	\$624,792	\$437,321	\$369,760	6
Other Services	\$1,159,695	\$603,485	\$485,416	11
Total, All Industries	\$23,222,447	\$11,741,820	\$8,053,774	130

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year.

Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate. The Fort Wayne Metropolitan Statistical Area (MSA) includes Allen, Wells, and Whitley counties.

The Impact of Recent and Anticipated Basic Construction Spending Associated with Purdue University Fort Wayne on Business Activity in Allen County

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$103,532	\$30,368	\$19,688	0
Mining	\$102,771	\$27,426	\$15,719	0
Construction	\$7,524,369	\$4,199,059	\$3,460,284	46
Manufacturing	\$4,723,737	\$1,534,486	\$894,885	11
Transportation & Utilities	\$1,311,557	\$569,139	\$341,443	4
Information	\$422,766	\$261,421	\$111,611	1
Wholesale Trade	\$929,155	\$628,684	\$362,507	4
Retail Trade*	\$3,187,666	\$2,424,423	\$1,415,322	40
Financial Activities*	\$2,191,112	\$545,744	\$224,809	2
Business Services	\$512,117	\$305,915	\$249,550	3
Health Services	\$612,296	\$428,574	\$362,365	6
Other Services	\$1,136,501	\$591,415	\$475,708	11
Total, All Industries	\$22,757,579	\$11,546,654	\$7,933,893	128

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year.

Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Impact of Recent and Anticipated Basic Construction Spending Associated with Purdue University Fort Wayne on Business Activity in the City of Fort Wayne

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$68,807	\$20,182	\$13,085	0
Mining	\$68,301	\$18,227	\$10,447	0
Construction	\$7,486,185	\$4,177,750	\$3,442,724	46
Manufacturing	\$4,629,262	\$1,503,796	\$876,988	11
Transportation & Utilities	\$1,285,326	\$557,756	\$334,614	4
Information	\$414,311	\$256,192	\$109,379	1
Wholesale Trade	\$910,572	\$616,110	\$355,257	4
Retail Trade*	\$3,123,913	\$2,375,935	\$1,387,016	40
Financial Activities*	\$2,147,290	\$534,829	\$220,313	2
Business Services	\$501,875	\$299,797	\$244,559	3
Health Services	\$600,050	\$420,003	\$355,118	5
Other Services	\$1,113,771	\$579,587	\$466,193	10
Total, All Industries	\$22,349,663	\$11,360,165	\$7,815,693	126

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year.

Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Potential Impact of Planned New Major Construction Spending Associated with Purdue University Fort Wayne on Business Activity in Indiana

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$9,293,803	\$2,783,902	\$1,805,324	27
Mining	\$8,837,309	\$2,326,379	\$1,351,192	9
Construction	\$198,354,192	\$91,882,794	\$75,717,143	1,012
Manufacturing	\$141,420,453	\$48,482,300	\$28,782,825	427
Transportation & Utilities	\$43,747,054	\$19,079,242	\$11,453,653	129
Information	\$11,639,712	\$7,175,377	\$3,063,400	26
Wholesale Trade	\$25,066,870	\$16,957,630	\$9,777,918	106
Retail Trade*	\$81,711,577	\$61,793,061	\$36,011,873	1,038
Financial Activities*	\$61,246,893	\$15,397,359	\$6,362,253	63
Business Services	\$31,445,024	\$19,800,113	\$16,151,819	187
Health Services	\$18,348,146	\$12,843,792	\$10,859,546	171
Other Services	\$33,991,832	\$17,325,945	\$13,939,095	317
Total, All Industries	\$665,102,865	\$315,847,895	\$215,276,041	3,513

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year.

Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Potential Impact of Planned New Major Construction Spending Associated with Purdue University Fort Wayne on Business Activity in the Northeast Indiana Region

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$9,107,927	\$2,728,224	\$1,769,217	26
Mining	\$8,660,563	\$2,279,851	\$1,324,168	9
Construction	\$197,893,290	\$91,638,553	\$75,515,873	1,010
Manufacturing	\$138,592,044	\$47,512,654	\$28,207,168	419
Transportation & Utilities	\$35,206,177	\$15,354,341	\$9,217,520	104
Information	\$11,406,918	\$7,031,870	\$3,002,132	26
Wholesale Trade	\$24,565,532	\$16,618,478	\$9,582,360	104
Retail Trade*	\$79,586,505	\$60,186,010	\$35,075,312	1,011
Financial Activities*	\$58,104,163	\$14,607,282	\$6,035,790	60
Business Services	\$24,907,879	\$15,683,843	\$12,793,997	148
Health Services	\$16,063,532	\$11,244,551	\$9,507,373	150
Other Services	\$31,037,262	\$15,983,205	\$12,850,817	293
Total, All Industries	\$635,131,792	\$300,868,861	\$204,881,729	3,358

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year.

Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate, (in constant 2019 dollars).

Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties.

The Potential Impact of Planned New Major Construction Spending Associated with Purdue University Fort Wayne on Business Activity in the Fort Wayne Metropolitan Statistical Area

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$4,536,730	\$1,358,950	\$881,261	13
Mining	\$4,313,895	\$1,135,612	\$659,579	4
Construction	\$197,695,424	\$91,533,700	\$75,429,468	1,009
Manufacturing	\$135,820,203	\$46,562,401	\$27,643,025	411
Transportation & Utilities	\$34,502,053	\$15,047,254	\$9,033,169	101
Information	\$11,178,780	\$6,891,232	\$2,942,090	25
Wholesale Trade	\$24,074,222	\$16,286,108	\$9,390,713	102
Retail Trade*	\$77,994,775	\$58,982,289	\$34,373,806	991
Financial Activities*	\$56,942,080	\$14,315,136	\$5,915,074	59
Business Services	\$24,409,721	\$15,370,166	\$12,538,117	145
Health Services	\$15,742,261	\$11,019,660	\$9,317,225	147
Other Services	\$30,416,517	\$15,663,541	\$12,593,801	287
Total, All Industries	\$617,626,660	\$294,166,049	\$200,717,328	3,293

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate. (in constant 2019 dollars). The Fort Wayne Metropolitan Statistical Area (MSA) includes Allen, Wells, and Whitley counties.

The Potential Impact of Planned New Major Construction Spending Associated with Purdue University Fort Wayne on Business Activity in Allen County

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$2,621,517	\$785,259	\$509,230	8
Mining	\$2,492,753	\$656,205	\$381,133	3
Construction	\$197,501,516	\$91,430,944	\$75,344,790	1,007
Manufacturing	\$133,103,799	\$45,631,153	\$27,090,164	402
Transportation & Utilities	\$33,812,012	\$14,746,309	\$8,852,506	99
Information	\$10,955,204	\$6,753,408	\$2,883,248	25
Wholesale Trade	\$23,592,737	\$15,960,386	\$9,202,898	100
Retail Trade*	\$76,434,880	\$57,802,644	\$33,686,330	971
Financial Activities*	\$55,803,238	\$14,028,834	\$5,796,772	58
Business Services	\$23,921,527	\$15,062,763	\$12,287,355	142
Health Services	\$15,427,416	\$10,799,267	\$9,130,881	144
Other Services	\$29,808,186	\$15,350,270	\$12,341,925	281
Total, All Industries	\$605,474,785	\$289,007,440	\$197,507,233	3,239

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate, (in constant 2019 dollars)

The Estimated Annual Impact of Employed Graduates of Purdue University Fort Wayne on Business Activity in the City of Fort Wayne

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Person Years*
Agriculture	\$39,311,050	\$11,018,635	\$7,198,529	108
Mining	\$458,058,963	\$102,544,313	\$49,021,948	254
Construction	\$241,049,062	\$127,593,028	\$105,144,602	1,406
Manufacturing	\$2,536,234,152	\$874,648,041	\$510,115,830	6,738
Transportation & Utilities	\$930,209,385	\$349,735,033	\$201,838,635	2,113
Information	\$493,149,184	\$304,812,255	\$130,134,137	1,110
Wholesale Trade	\$312,694,374	\$211,502,594	\$121,954,280	1,318
Retail Trade*	\$1,154,842,695	\$859,914,046	\$498,813,002	14,722
Financial Activities*	\$3,286,936,729	\$1,082,061,340	\$388,617,898	3,652
Business Services	\$983,032,072	\$628,435,725	\$512,642,521	5,936
Health Services	\$518,434,726	\$355,601,220	\$300,664,125	4,727
Other Services	\$607,606,760	\$320,590,543	\$261,734,842	5,928
Total, All Industries	\$11,561,559,152	\$5,228,456,774	\$3,087,880,350	48,011

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. A person-year is equivalent to one person working for one year. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate. (in constant 2019 dollars)

Employed Graduates



The Estimated Annual Impact of Employed Graduates of Purdue University Fort Wayne on Business Activity in Indiana

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$401,388,554	\$112,506,632	\$73,501,149	1,102
Mining	\$1,175,669,967	\$267,433,970	\$134,727,669	725
Construction	\$561,304,130	\$297,111,688	\$244,838,535	3,273
Manufacturing	\$5,098,111,447	\$1,753,581,365	\$1,021,590,552	13,534
Transportation & Utilities	\$2,190,552,133	\$833,472,146	\$482,996,318	5,096
Information	\$979,674,976	\$605,530,635	\$258,520,468	2,204
Wholesale Trade	\$648,909,372	\$438,914,247	\$253,081,865	2,736
Retail Trade*	\$2,411,332,205	\$1,795,515,911	\$1,041,530,472	30,740
Financial Activities*	\$6,514,186,975	\$2,149,151,402	\$774,406,771	7,288
Business Services	\$2,092,209,014	\$1,337,513,726	\$1,091,068,475	12,635
Health Services	\$1,093,770,483	\$750,231,608	\$634,327,774	9,973
Other Services	\$1,305,535,378	\$687,209,465	\$560,289,947	12,693
Total, All Industries	\$24,472,644,635	\$11,028,172,796	\$6,570,879,995	101,999

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact of Employed Graduates of Purdue University Fort Wayne on Business Activity in the Northeast Indiana Region

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$333,303,077	\$93,422,710	\$61,033,526	915
Mining	\$989,936,767	\$225,118,604	\$113,304,766	609
Construction	\$454,434,220	\$240,542,891	\$198,222,323	2,650
Manufacturing	\$4,266,593,320	\$1,468,514,157	\$855,755,532	11,329
Transportation & Utilities	\$1,576,467,113	\$594,344,934	\$343,335,580	3,601
Information	\$822,300,119	\$508,258,275	\$216,991,775	1,850
Wholesale Trade	\$538,838,210	\$364,463,479	\$210,152,889	2,272
Retail Trade*	\$1,990,036,989	\$1,481,812,863	\$859,559,774	25,369
Financial Activities*	\$5,429,243,786	\$1,789,374,522	\$643,771,084	6,054
Business Services	\$1,627,012,840	\$1,040,121,704	\$848,472,789	9,825
Health Services	\$865,975,001	\$593,983,681	\$502,218,705	7,896
Other Services	\$1,032,225,608	\$545,451,430	\$444,961,395	10,078
Total, All Industries	\$19,926,367,049	\$8,945,409,250	\$5,297,780,138	82,450

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

Northeast Indiana includes La Grange, Steuben, Noble, DeKalb, Kosciusko, Whitley, Allen, Wabash, Huntington, Wells, and Adams counties.

The Estimated Annual Impact of Employed Graduates of Purdue University Fort Wayne on Business Activity in the Fort Wayne Metropolitan Statistical Area

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$129,305,486	\$36,243,497	\$23,678,059	355
Mining	\$651,611,279	\$146,909,806	\$71,911,129	379
Construction	\$346,857,704	\$183,600,070	\$151,297,893	2,023
Manufacturing	\$3,282,474,090	\$1,130,523,405	\$658,979,822	8,717
Transportation & Utilities	\$1,209,877,314	\$455,722,601	\$263,174,623	2,759
Information	\$634,495,818	\$392,177,676	\$167,433,240	1,428
Wholesale Trade	\$411,281,052	\$278,185,400	\$160,404,180	1,734
Retail Trade*	\$1,518,942,963	\$1,131,028,836	\$656,079,398	19,364
Financial Activities*	\$4,202,545,272	\$1,384,541,283	\$497,830,319	4,680
Business Services	\$1,258,549,012	\$804,569,030	\$656,322,165	7,600
Health Services	\$667,806,136	\$458,057,042	\$387,291,472	6,089
Other Services	\$791,562,536	\$418,072,254	\$341,138,819	7,727
Total, All Industries	\$15,105,308,661	\$6,819,630,901	\$4,035,541,118	62,854

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Fort Wayne Metropolitan Statistical Area (MSA) includes Adams, Wells, and Whitley counties.

The Estimated Annual Impact of Employed Graduates of Purdue University Fort Wayne on Business Activity in Allen County

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$69,253,838	\$19,411,406	\$12,681,569	190
Mining	\$557,589,010	\$125,127,799	\$60,308,061	314
Construction	\$315,060,956	\$166,769,292	\$137,428,283	1,837
Manufacturing	\$3,005,568,484	\$1,035,827,080	\$603,950,195	7,983
Transportation & Utilities	\$1,105,085,401	\$415,869,106	\$240,083,182	2,515
Information	\$582,685,386	\$360,153,990	\$153,761,301	1,311
Wholesale Trade	\$373,578,560	\$252,683,903	\$145,699,789	1,575
Retail Trade*	\$1,379,700,140	\$1,027,346,439	\$595,936,028	17,589
Financial Activities*	\$3,871,558,704	\$1,275,005,999	\$458,178,336	4,306
Business Services	\$1,158,648,769	\$740,704,500	\$604,225,073	6,997
Health Services	\$612,918,417	\$420,408,831	\$355,459,561	5,589
Other Services	\$722,421,154	\$381,363,203	\$311,267,261	7,050
Total, All Industries	\$13,754,068,819	\$6,220,671,547	\$3,678,978,638	57,256

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact of Employed Graduates of Purdue University Fort Wayne on Business Activity in the City of Fort Wayne

Results by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Permanent Jobs
Agriculture	\$39,311,050	\$11,018,635	\$7,198,529	108
Mining	\$458,058,963	\$102,544,313	\$49,021,948	254
Construction	\$241,049,062	\$127,593,028	\$105,144,602	1,406
Manufacturing	\$2,536,234,152	\$874,648,041	\$510,115,830	6,738
Transportation & Utilities	\$930,209,385	\$349,735,033	\$201,838,635	2,113
Information	\$493,149,184	\$304,812,255	\$130,134,137	1,110
Wholesale Trade	\$312,694,374	\$211,502,594	\$121,954,280	1,318
Retail Trade*	\$1,154,842,695	\$859,914,046	\$498,813,002	14,722
Financial Activities*	\$3,286,936,729	\$1,082,061,340	\$388,617,898	3,652
Business Services	\$983,032,072	\$628,435,725	\$512,642,521	5,936
Health Services	\$518,434,726	\$355,601,220	\$300,664,125	4,727
Other Services	\$607,606,760	\$320,590,543	\$261,734,842	5,928
Total, All Industries	\$11,561,559,152	\$5,228,456,774	\$3,087,880,350	48,011

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in 2019 US dollars. Components may not sum due to rounding. Retail Trade includes restaurants, Financial Activities includes Real Estate. (in constant 2019 dollars)