# The Economic and Fiscal Impact of Small Businesses in the First Suburbs

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#### **Executive Summary:**

The purpose of this study is to examine the economic and fiscal contribution business in the First Suburbs of Cleveland to the region.<sup>2</sup> Additionally, this study estimates how important the economic and fiscal contribution of small- to medium-sized firms in the First Suburbs are to the region's economy. Using regional econometric input-output models this study calculates the economic impact of businesses in the First Suburbs of Cleveland across the distribution of the size of firms. The economic impact is measured in numerous ways including by employment, local resident labor income, gross domestic product value-added and spending (output). We calculate the direct effects, the indirect effects (supply-chain effects) and induced effects (effects from the increased spending from the increased employment).

Overall, businesses in the First Suburbs of Cleveland provide substantial economic benefits to the region's economy. First Suburb's businesses produce a total employment impact of over 168,000 jobs, providing over \$24.4 billion in spending, increasing the region's value-added to GDP of \$12.7 billion and increasing earnings in the region by \$9 billion.

Additionally, this study calculated the fiscal impact of businesses in the First Suburbs. Specifically, we estimate how much Federal, State and County taxes were generated by the businesses in the First Suburbs. In total, First Suburb's businesses added \$1.4 billion to federal taxes, \$800 million to the state of Ohio, and nearly \$100 million in county taxes.

| Summary Table: Economic impact of Businesses in the First Suburbs of Cleveland |            |                 |                  |                  |  |
|--|------------|-----------------|------------------|------------------|--|
| Source   | Employment | Local Earnings  | Value-added      | Output           |  |
| Direct Impact  | 113,591    | \$5,724,799,310 | \$7,214,989,071  | \$14,068,110,406 |  |
| Indirect Impact  | 29,244     | \$1,909,806,446 | \$2,986,226,753  | \$5,980,653,359  |  |
| Induced Impact   | 25,479     | \$1,431,227,165 | \$2,500,570,022  | \$4,353,094,841  |  |
| Total:   | 168,314    | \$9,065,832,921 | \$12,701,785,846 | \$24,401,858,605 |  |

| Summary Table: Fiscal Impact of Businesses in the First Suburbs of Cleveland |              |               |                 |                 |  |
|--|--------------|---------------|-----------------|-----------------|--|
| Jurisdiction   | County       | State         | Federal         | Total           |  |
| Direct Impact  | \$62,925,876 | \$506,167,284 | \$857,289,489   | \$1,733,512,667 |  |
| Indirect Impact  | \$15,412,637 | \$131,102,336 | \$322,884,547   | \$549,766,666   |  |
| Induced Impact   | \$18,450,162 | \$145,059,009 | \$236,557,719   | \$488,942,345   |  |
| Total:   | \$96,788,675 | \$782,328,630 | \$1,416,731,755 | \$2,772,221,678 |  |

<sup>&</sup>lt;sup>2</sup> The First Suburbs includes the cities of Bedford, Bedford Heights, Berea, Brook Park, Brooklyn, Brooklyn Heights, Cleveland Heights, East Cleveland, Euclid, Fairview Park, Garfield Heights, Lakewood, Maple Heights, Newburgh Heights, Parma, Parma Heights, Shaker Heights, South Euclid, University Heights, and Warrensville Heights.

#### I. <u>Introduction:</u>

Attracting and retaining large employers to local jurisdictions garners great attention from the media, citizens and policy makers. However, small businesses play important roles in vibrant economies with the Small Business Administration finding small businesses account for 44 percent of gross domestic product in the United States. Additionally, small businesses are great engines of new employment growth and innovation with small businesses producing 16 times more patents per employee than large businesses.

The purpose of this study is twofold. First, this study demonstrates the importance of the First Suburbs of Cleveland to the economic vitality of the region by calculating the economic and fiscal impacts of it's businesses. The First Suburbs is home to vast array of businesses both big and small in a diversity of industries which creates positive economic and fiscal impacts not only in their localities but across the region. The economic impact is measured in numerous ways including by the employment impact, the amount of local resident income generated, the increase in value-added GDP, and in output (spending). The fiscal impacts are calculated separately at the federal, state and local levels. Together, this analysis finds incredible positive and broad economic and fiscal impacts to the region.

The second goal is to shed light on the importance of small businesses, defined as businesses with 1 to 10 employees, and medium-sized businesses, defined as businesses with 11 to 50 employees, as economic and fiscal drivers for the region. While it is easier to comprehend the economic importance of retaining and attracting large firms to an area, it is less obvious how important small to medium-sized firms are to the region's economy. Therefore, this study separately estimates the economic and fiscal impacts of business in the First Suburbs across the size distribution of businesses. Specifically, we separately estimate effects for 1 to 10 employee

firms, 11-50 employee firms, 51-100 employee firms and firms with more than 100 employees. The results suggest that small (1 to 10 employees) and medium (11-50 employees) sized firms have nearly the same economic and fiscal impacts as firms with greater than 100 employees. Specifically, for firms in the First Suburbs small and medium sized firms have an economic impact of around \$6.5 billion each while the largest firms (100+ employees) contribute \$8 billion.

#### II. <u>Methodology and Data:</u>

To determine the economic and fiscal impacts of businesses in the First Suburbs, this study needed to obtain information about all the businesses in each of the cities/townships of the First Suburbs. This study utilized the Infogroup's Reference USA's dataset, which provides panel establishment-level data sets for all U.S. establishments. The data consists of annual information on every business from 1997 to 2022 and aims to be as extensive as possible with approximately 30 million establishments each year.<sup>3</sup> These data contain a wealth of establishment information, including exact location (latitude and longitude), their address, age, number of employees, sales volume, detailed industry code, and corporate linkages.

## The Multiplier Effect

Captures the secondary effects from the interconnections between various local economic sectors.

- Indirect effects measure the economic impact on the various industry suppliers of local goods and services.
- Induced effects measure the impact of changes in household spending of income on local goods and services.

Once obtaining as much business information as possible for each jurisdiction in the First Suburbs, this study uses IMPLAN (Impact Analysis for Planning) to measure the direct, indirect, and induced effects from these

<sup>&</sup>lt;sup>3</sup> The Infogroup compiles this information by first detecting businesses through numerous sources, such as over 4300 yellow and white pages, county-level public sources, utility connects and disconnects, real estate tax assessor data, and web research. It then calls every U.S. company every year. An independent audit found it is similar and in many cases higher quality to other private business-level datasets such as the National Establishment Time-Series dataset. For more information about the data, go to <a href="http://www.infogroup.com/data">http://www.infogroup.com/data</a>.

businesses. IMPLAN uses an input-output methodology to model the economic links between industry sectors of the local economy (see Appendix A for more detail). With data provided by the Infogroup this study can estimate how the spending by the businesses and their employees ripple throughout the local region and the State of Ohio.

#### III. Economic Impact of the First Suburbs of Cleveland

Table 1 presents the economic impact of businesses in the First Suburbs. The top panel displays the overall economic impact of all businesses regardless of size. Businesses in the First Suburbs employ over 113,000 people causing an indirect effect (think supply chain effects) of 29,000 additional workers and an additional 25,000 employees due to the increased household spending locally from the increase in wages. Therefore, there is an overall employment of over 168,000 jobs. This is quite impressive. First Suburbs businesses increased local residents' incomes by \$5.7 billion which caused an additional \$1.9 billion in indirect income and \$1.4 billion in induced income increases for a total effect of \$9 billion. These businesses added over \$7.2 billion in value-added GDP directly and \$12.7 billion in total. Lastly, the effect on output (spending) from the First Suburbs is \$14 billion directly and a total effect of \$24.4 billion. Remember that the Infogroup data set does a good job of obtaining as much information about businesses as possible but certainly doesn't collect all businesses perfectly so these estimates are undoubtedly lower bound estimates.

Panels 2 through 5 of Table 1 display the economic impact of business across the size distribution with Panels 2 and 3 showing the effect of business with 1 to 10 employees and 11 to 51 employees respectively while panels 3 and 4 showing the effect of business with 51 to 100 and greater than 100 respectively. Examining these panels some interesting patterns emerge.

Small- (1 to 10 employees) and medium-sized (11 to 51 employees) businesses in the First Suburbs play a very important role for the vitality of the region. Both subgroups represent around 81% of the effect of very large firm with more than 100 employees, across the various measure of economic impacts. For example, local resident earnings were increased by \$2.4 billion and \$2.5 billion for small and medium-sized businesses respectively, while firms with greater than 100 employees increased local earnings by \$2.97 billion. Table 1 panels 2-3 demonstrate the economic importance of promoting a healthy economy for small to medium-sized businesses.

| Table 1: Economic impact of Businesses in the First Suburbs of Cleveland |                |                    |                  |                  |  |  |
|--|----------------|--------------------|------------------|------------------|--|--|
|  | All Businesses |                    |                  |                  |  |  |
| Impacts  | Employment     | Local Earnings     | Value-added      | Output           |  |  |
| Direct Impact  | 113,591        | \$5,724,799,310    | \$7,214,989,071  | \$14,068,110,406 |  |  |
| Indirect Impact  | 29,244         | \$1,909,806,446    | \$2,986,226,753  | \$5,980,653,359  |  |  |
| Induced Impact   | 25,479         | \$1,431,227,165    | \$2,500,570,022  | \$4,353,094,841  |  |  |
| Total:   | 168,314        | \$9,065,832,921    | \$12,701,785,846 | \$24,401,858,605 |  |  |
|  | Small-sized    | l Businesses: 1 to | 10 Employees     |                  |  |  |
| Impacts  | Employment     | Local Earnings     | Value-added      | Output           |  |  |
| Direct Impact  | 28,507         | \$1,512,357,363    | \$1,895,663,627  | \$3,674,860,570  |  |  |
| Indirect Impact  | 8,243          | \$531,806,432      | \$835,712,878    | \$1,654,623,559  |  |  |
| Induced Impact   | 6,840          | \$384,170,196      | \$671,191,511    | \$1,168,437,064  |  |  |
| Total:   | 43,589         | \$2,428,333,991    | \$3,402,568,016  | \$6,497,921,193  |  |  |
|  | Medium-size    | d Businesses: 11   | to 50 Employees  |                  |  |  |
| Impacts  | Employment     | Local Earnings     | Value-added      | Output           |  |  |
| Direct Impact  | 32,320         | \$1,600,809,958    | \$2,031,358,676  | \$3,810,374,148  |  |  |
| Indirect Impact  | 8,009          | \$513,512,864      | \$802,225,761    | \$1,614,925,837  |  |  |
| Induced Impact   | 7,099          | \$398,721,833      | \$696,615,680    | \$1,212,696,513  |  |  |
| Total:   | 47,427         | \$2,513,044,655    | \$3,530,200,116  | \$6,637,996,497  |  |  |
|  | Larger-sized   | Businesses: 51 to  | o 100 Employees  |                  |  |  |
| Impacts  | Employment     | Local Earnings     | Value-added      | Output           |  |  |
| Direct Impact  | 14,803         | \$730,976,624      | \$961,726,891    | \$1,887,175,592  |  |  |
| Indirect Impact  | 3,605          | \$240,177,326      | \$375,895,333    | \$755,354,499    |  |  |
| Induced Impact   | 3,245          | \$182,293,721      | \$318,496,804    | \$554,452,413    |  |  |
| Total:   | 21,653         | \$1,153,447,671    | \$1,656,119,029  | \$3,196,982,504  |  |  |
|  | Large 1        | Businesses: 100+   | Employees        |                  |  |  |
| Impacts  | Employment     | Local Earnings     | Value-added      | Output           |  |  |
| Direct Impact  | 37,961         | \$1,880,655,365    | \$2,326,239,877  | \$4,695,700,096  |  |  |
| Indirect Impact  | 9,388          | \$624,309,824      | \$972,392,781    | \$1,955,749,464  |  |  |
| Induced Impact   | 8,296          | \$466,041,415      | \$814,266,027    | \$1,417,508,851  |  |  |
| Total:   | 55,645         | \$2,971,006,604    | \$4,112,898,685  | \$8,068,958,411  |  |  |

#### IV. Fiscal Impact of the First Suburbs of Cleveland

The fiscal impact of First Suburbs Businesses are presented in Table 2 with a similar format starting with all businesses in the first panel and then displaying results by size of the business from smallest to largest in panels 2-5. Fiscal impact studies provide estimates of the amount of tax revenue collected by each level of jurisdiction from the economic activity produced from businesses in the first suburbs.

Starting with the first panel in Table 2 we see that \$63 million in local/county tax sales taxes that come directly from the business's operations. An additional \$15 million is collected by the county from the supply chain effects of the first suburbs businesses and \$18 million is collected from the increased spending from households employed by the business in the first suburbs. Therefore, almost \$100 million is estimated to be generated for local and county taxes from businesses in the First Suburbs. Moving across the columns in the first panel finds the State of Ohio obtains a total of \$782 million in state revenue (with over \$500 million coming directly from businesses in the First Suburbs) and the federal government receives a total of \$1.4 billion in revenue (\$857 million directly) for a total fiscal impact of \$2.7 billion.

Analysis by the size of the business shows a similar pattern to the economic impacts. Specifically, total fiscal impacts from small businesses (1 to 10 employees) and medium-sized businesses (11-50 employees) are \$717 million and \$771 million respectively while the total fiscal impact from businesses with greater than 100 employees is \$943 million making small the to medium-sized fiscal impacts 76% to 82% of the large-sized impact. Finding that small to medium-sized fiscal impacts provide important fiscal impacts is true across the all three levels of government (count/local, state and federal). Panel 2 of Table 2 suggests that small businesses truly provide substantial benefits to government revenues with an estimated total contribution to

revenue to the county, state and federal government of \$24 million, \$197 million and \$375 million respectively. Clearly, small businesses play an important role in helping government raise revenue.

| Table 2: Fiscal in               | Table 2: Fiscal impact of Businesses in the First Suburbs of Cleveland |                   |                 |                 |  |  |  |
|----------------------------------|--|-------------------|-----------------|-----------------|--|--|--|
|                                  | All Businesses   |                   |                 |                 |  |  |  |
| Jurisdictions                    | County Taxes   | State Taxes       | Federal Taxes   | Total Taxes     |  |  |  |
| Direct Impact                    | \$62,925,876   | \$506,167,284     | \$857,289,489   | \$1,733,512,667 |  |  |  |
| Indirect Impact                  | \$15,412,637   | \$131,102,336     | \$322,884,547   | \$549,766,666   |  |  |  |
| Induced Impact                   | \$18,450,162   | \$145,059,009     | \$236,557,719   | \$488,942,345   |  |  |  |
| Total:                           | \$96,788,675   | \$782,328,630     | \$1,416,731,755 | \$2,772,221,678 |  |  |  |
|                                  | Small-sized  | Businesses: 1 to  | 10 Employees    |                 |  |  |  |
| Jurisdictions                    | County Taxes   | State Taxes       | Federal Taxes   | Total Taxes     |  |  |  |
| Direct Impact                    | \$15,389,749   | \$125,083,434     | \$223,664,716   | \$440,114,770   |  |  |  |
| Indirect Impact                  | \$3,965,021  | \$34,033,761      | \$87,399,483    | \$146,282,021   |  |  |  |
| Induced Impact                   | \$4,836,040  | \$38,236,984      | \$64,773,134    | \$131,276,014   |  |  |  |
| Total:                           | \$24,190,810   | \$197,354,178     | \$375,837,333   | \$717,672,805   |  |  |  |
|                                  | Medium-size  | d Businesses: 11  | to 50 Employees |                 |  |  |  |
| Jurisdictions                    | County Taxes   | State Taxes       | Federal Taxes   | Total Taxes     |  |  |  |
| Direct Impact                    | \$18,663,059   | \$148,420,782     | \$232,394,545   | \$489,605,412   |  |  |  |
| Indirect Impact                  | \$4,188,881  | \$35,414,005      | \$84,717,989    | \$146,028,012   |  |  |  |
| Induced Impact                   | \$5,114,008  | \$40,199,824      | \$65,440,339    | \$135,382,298   |  |  |  |
| Total:                           | \$27,965,948   | \$224,034,610     | \$382,552,873   | \$771,015,722   |  |  |  |
|                                  | Larger-sized   | Businesses: 51 to | o 100 Employees |                 |  |  |  |
| Jurisdictions                    | County Taxes   | State Taxes       | Federal Taxes   | Total Taxes     |  |  |  |
| Direct Impact                    | \$7,491,944  | \$60,675,778      | \$108,235,052   | \$213,260,272   |  |  |  |
| Indirect Impact                  | \$2,052,337  | \$17,128,407      | \$38,657,116    | \$68,327,490    |  |  |  |
| Induced Impact                   | \$2,248,294  | \$17,624,443      | \$28,150,989    | \$58,821,195    |  |  |  |
| Total:                           | \$11,792,575   | \$95,428,628      | \$175,043,157   | \$340,408,957   |  |  |  |
| Large Businesses: 100+ Employees |  |                   |                 |                 |  |  |  |
| Jurisdictions                    | County Taxes   | State Taxes       | Federal Taxes   | Total Taxes     |  |  |  |
| Direct Impact                    | \$21,381,124   | \$171,987,291     | \$292,995,176   | \$590,532,213   |  |  |  |
| Indirect Impact                  | \$5,206,398  | \$44,526,163      | \$112,109,959   | \$189,129,143   |  |  |  |
| Induced Impact                   | \$6,251,820  | \$48,997,758      | \$78,193,257    | \$163,462,838   |  |  |  |
| Total:                           | \$32,839,342   | \$265,511,213     | \$483,298,392   | \$943,124,195   |  |  |  |

### V. <u>Conclusion:</u>

The hope of this project was to investigate the economic and fiscal importance of the First Suburbs of Cleveland in the region as well as investigate the role small to medium-sized businesses play in these impacts. Combining high quality business data with the IMPLAN model this study estimates that the First Suburbs are important economic and fiscal drivers to the region and that small to medium-sized firms are important drivers of economic growth.

#### Appendix A: A Closer Look at the Input-Output Multiplier Framework

This section describes in detail the methodology used to calculate the economic impact figures for the First Suburb. The full economic impact of a project or program is not realized in the initial functions of that project or program. To truly measure the effects that may be incurred, all the interactions in an economy must be considered. For every dollar spent, an effect is created that allows for a portion of that dollar to reenter the economy. This effect is the multiplier effect created by some level of spending. By purchasing a meal at a local restaurant, a portion of that money will be given to a local worker who will in turn spend a portion of that money at a local business. Thus, the initial spending creates secondary and even tertiary spending in the local economy.

The multiplier effects that are used for this study are derived from IMPLAN and the publicly available data it incorporates from the U.S. Census Bureau. It is based upon the Input-Output (IO) accounting framework. The basis of the IO method is to create a table of the distribution of any inputs purchased within an industry and the outputs sold. Using IMPLAN allows us to capture localized effects in addition to state effects.

In general terms, the multiplier effect says that an extra dollar spent inside of an economy from an outside source creates a ripple effect throughout that economy. Often these reports split these secondary effects into two, an indirect effect and an induced effect. An indirect effect can be thought of as supply chain effects when a First Suburb business purchases an input locally in the region that help support that business. An induced effect is the economic benefits arising from increased income from the local employment of these firms. For instance, the First Suburb business employs a local resident and provides them with a salary and then that local worker spends their income locally at a restaurant which benefits the local restaurant.

| Economic impac  | t of Businesses in H | Sedford               |                 |                 |  |
|-----------------|----------------------|-----------------------|-----------------|-----------------|--|
| All Businesses  |                      |                       |                 |                 |  |
| Impacts         | Employment           | Local Earnings        | Value-added     | Output          |  |
| Direct Impact   | 12,658               | \$700,244,135         | \$946,097,553   | \$2,043,429,573 |  |
| Indirect Impact | 4,326                | \$292,128,692         | \$455,562,810   | \$900,210,701   |  |
| Induced Impact  | 3,314                | \$186,149,311         | \$325,232,583   | \$566,178,304   |  |
| Total:          | 20,297               | \$1,178,522,138       | \$1,726,892,946 | \$3,509,818,577 |  |
|                 | Small-size           | d Businesses: 1 to 10 | ) Employees     |                 |  |
| Impacts         | Employment           | Local Earnings        | Value-added     | Output          |  |
| Direct Impact   | 2,967                | \$164,144,583         | \$216,681,508   | \$439,317,963   |  |
| Indirect Impact | 974                  | \$64,068,576          | \$100,122,623   | \$197,230,821   |  |
| Induced Impact  | 770                  | \$43,238,531          | \$75,541,258    | \$131,505,157   |  |
| Total:          | 4,711                | \$271,451,691         | \$392,345,389   | \$768,053,942   |  |
|                 | Medium-size          | ed Businesses: 11 to  | 50 Employees    |                 |  |
| Impacts         | Employment           | Local Earnings        | Value-added     | Output          |  |
| Direct Impact   | 4,687                | \$250,420,284         | \$339,312,529   | \$680,553,169   |  |
| Indirect Impact | 1,451                | \$96,555,565          | \$149,278,339   | \$297,142,009   |  |
| Induced Impact  | 1,169                | \$65,675,081          | \$114,741,197   | \$199,746,012   |  |
| Total:          | 7,307                | \$412,650,931         | \$603,332,064   | \$1,177,441,191 |  |
|                 | Larger-sized         | Businesses: 51 to 1   | 00 Employees    |                 |  |
| Impacts         | Employment           | Local Earnings        | Value-added     | Output          |  |
| Direct Impact   | 1,649                | \$87,707,953          | \$120,279,289   | \$254,972,989   |  |
| Indirect Impact | 559                  | \$37,710,409          | \$59,021,701    | \$115,917,961   |  |
| Induced Impact  | 418                  | \$23,508,230          | \$41,072,760    | \$71,501,162    |  |
| Total:          | 2,627                | \$148,926,592         | \$220,373,750   | \$442,392,112   |  |
|                 | Large                | Businesses: 100+ En   | nployees        |                 |  |
| Impacts         | Employment           | Local Earnings        | Value-added     | Output          |  |
| Direct Impact   | 3,355                | \$197,971,314         | \$269,824,227   | \$668,585,451   |  |
| Indirect Impact | 1,341                | \$93,794,142          | \$147,140,147   | \$289,919,909   |  |
| Induced Impact  | 956                  | \$53,727,469          | \$93,877,368    | \$163,425,972   |  |
| Total:          | 5,653                | \$345,492,925         | \$510,841,743   | \$1,121,931,333 |  |

## Appendix B: Economic and Fiscal Impacts by City (alphabetically)

| Fiscal impact of l               | Businesses in Bedfo | rd                  |               |               |  |  |  |
|----------------------------------|---------------------|---------------------|---------------|---------------|--|--|--|
|                                  | All Businesses      |                     |               |               |  |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |  |  |
| Direct Impact                    | \$6,924,783         | \$56,544,219        | \$107,330,513 | \$205,200,105 |  |  |  |
| Indirect Impact                  | \$2,408,435         | \$20,377,044        | \$48,708,564  | \$83,979,666  |  |  |  |
| Induced Impact                   | \$2,449,918         | \$19,125,396        | \$29,663,568  | \$62,955,026  |  |  |  |
| Total:                           | \$11,783,137        | \$96,046,659        | \$185,702,644 | \$352,134,796 |  |  |  |
|                                  | Small-sized         | Businesses: 1 to 10 | ) Employees   |               |  |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |  |  |
| Direct Impact                    | \$1,882,505         | \$15,020,853        | \$24,069,064  | \$50,117,403  |  |  |  |
| Indirect Impact                  | \$503,974           | \$4,304,400         | \$10,758,678  | \$18,205,219  |  |  |  |
| Induced Impact                   | \$568,945           | \$4,441,620         | \$6,890,424   | \$14,621,908  |  |  |  |
| Total:                           | \$2,955,423         | \$23,766,873        | \$41,718,166  | \$82,944,530  |  |  |  |
|                                  | Medium-size         | d Businesses: 11 to | 50 Employees  |               |  |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |  |  |
| Direct Impact                    | \$3,123,153         | \$24,596,803        | \$36,509,828  | \$79,199,217  |  |  |  |
| Indirect Impact                  | \$799,316           | \$6,757,751         | \$16,040,721  | \$27,736,847  |  |  |  |
| Induced Impact                   | \$864,222           | \$6,746,730         | \$10,465,788  | \$22,209,761  |  |  |  |
| Total:                           | \$4,786,692         | \$38,101,283        | \$63,016,337  | \$129,145,825 |  |  |  |
|                                  | Larger-sized        | Businesses: 51 to 1 | 00 Employees  |               |  |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |  |  |
| Direct Impact                    | \$833,013           | \$6,850,120         | \$13,612,845  | \$25,465,593  |  |  |  |
| Indirect Impact                  | \$303,493           | \$2,581,484         | \$6,312,396   | \$10,780,422  |  |  |  |
| Induced Impact                   | \$309,397           | \$2,415,318         | \$3,746,114   | \$7,950,444   |  |  |  |
| Total:                           | \$1,445,904         | \$11,846,923        | \$23,671,355  | \$44,196,459  |  |  |  |
| Large Businesses: 100+ Employees |                     |                     |               |               |  |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |  |  |
| Direct Impact                    | \$1,086,112         | \$10,076,442        | \$33,138,776  | \$50,417,891  |  |  |  |
| Indirect Impact                  | \$801,652           | \$6,733,410         | \$15,596,768  | \$27,257,178  |  |  |  |
| Induced Impact                   | \$707,354           | \$5,521,729         | \$8,561,242   | \$18,172,913  |  |  |  |
| Total:                           | \$2,595,119         | \$22,331,580        | \$57,296,787  | \$95,847,982  |  |  |  |

| Economic impact                  | t of Businesses in B | edford Heights      |               |               |
|----------------------------------|----------------------|---------------------|---------------|---------------|
|                                  |                      | All Businesses      |               |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 3,205                | \$177,640,968       | \$251,042,457 | \$493,620,403 |
| Indirect Impact                  | 1,118                | \$73,135,264        | \$112,553,015 | \$221,030,604 |
| Induced Impact                   | 842                  | \$47,315,038        | \$82,665,073  | \$143,906,671 |
| Total:                           | 5,165                | \$298,091,271       | \$446,260,546 | \$858,557,679 |
|                                  | Small-sized          | Businesses: 1 to 10 | Employees     |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 725                  | \$39,188,408        | \$53,266,877  | \$109,578,688 |
| Indirect Impact                  | 266                  | \$17,340,835        | \$27,270,632  | \$53,162,594  |
| Induced Impact                   | 189                  | \$10,597,558        | \$18,515,436  | \$32,232,424  |
| Total:                           | 1,179                | \$67,126,802        | \$99,052,945  | \$194,973,707 |
|                                  | Medium-size          | d Businesses: 11 to | 50 Employees  |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 1,202                | \$63,754,107        | \$72,349,139  | \$150,874,833 |
| Indirect Impact                  | 319                  | \$20,808,740        | \$33,333,488  | \$66,055,743  |
| Induced Impact                   | 288                  | \$16,174,528        | \$28,256,906  | \$49,190,647  |
| Total:                           | 1,809                | \$100,737,375       | \$133,939,532 | \$266,121,222 |
|                                  | Larger-sized         | Businesses: 51 to 1 | 00 Employees  |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 440                  | \$23,550,326        | \$39,103,649  | \$85,873,401  |
| Indirect Impact                  | 189                  | \$12,829,595        | \$19,356,890  | \$37,899,489  |
| Induced Impact                   | 118                  | \$6,657,326         | \$11,632,758  | \$20,250,858  |
| Total:                           | 747                  | \$43,037,247        | \$70,093,296  | \$144,023,749 |
| Large Businesses: 100+ Employees |                      |                     |               |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 838                  | \$51,148,127        | \$86,322,793  | \$147,293,481 |
| Indirect Impact                  | 345                  | \$22,156,094        | \$32,592,005  | \$63,912,778  |
| Induced Impact                   | 247                  | \$13,885,626        | \$24,259,974  | \$42,232,741  |
| Total:                           | 1,430                | \$87,189,847        | \$143,174,772 | \$253,439,000 |

| Fiscal impact of Businesses in Bedford Heights |              |                     |               |               |  |
|--|--------------|---------------------|---------------|---------------|--|
| All Businesses                                 |              |                     |               |               |  |
| Jurisdictions                                  | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                  | \$3,172,100  | \$23,863,023        | \$23,526,292  | \$65,070,111  |  |
| Indirect Impact                                | \$558,920    | \$4,802,662         | \$12,273,157  | \$20,575,908  |  |
| Induced Impact                                 | \$622,649    | \$4,860,809         | \$7,539,937   | \$16,001,109  |  |
| Total:   | \$4,353,669  | \$33,526,494        | \$43,339,387  | \$101,647,128 |  |
|  | Small-sized  | Businesses: 1 to 10 | Employees     |               |  |
| Jurisdictions                                  | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                  | \$503,608    | \$3,943,308         | \$5,649,303   | \$12,494,140  |  |
| Indirect Impact                                | \$115,681    | \$1,025,583         | \$2,976,213   | \$4,747,374   |  |
| Induced Impact                                 | \$139,468    | \$1,088,771         | \$1,688,771   | \$3,583,987   |  |
| Total:   | \$758,756    | \$6,057,662         | \$10,314,287  | \$20,825,502  |  |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |               |  |
| Jurisdictions                                  | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                  | \$247,070    | \$2,592,637         | \$10,231,885  | \$14,654,739  |  |
| Indirect Impact                                | \$183,202    | \$1,529,255         | \$3,463,719   | \$6,113,811   |  |
| Induced Impact                                 | \$212,782    | \$1,661,191         | \$2,577,628   | \$5,469,241   |  |
| Total:   | \$643,055    | \$5,783,083         | \$16,273,232  | \$26,237,791  |  |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |  |
| Jurisdictions                                  | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                  | \$715,576    | \$5,132,676         | \$2,561,726   | \$11,522,933  |  |
| Indirect Impact                                | \$97,600     | \$839,146           | \$2,145,209   | \$3,594,934   |  |
| Induced Impact                                 | \$87,665     | \$684,310           | \$1,060,786   | \$2,251,967   |  |
| Total:   | \$900,841    | \$6,656,133         | \$5,767,722   | \$17,369,833  |  |
| Large Businesses: 100+ Employees               |              |                     |               |               |  |
| Jurisdictions                                  | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                  | \$1,705,846  | \$12,194,403        | \$5,083,379   | \$26,398,299  |  |
| Indirect Impact                                | \$162,437    | \$1,408,677         | \$3,688,015   | \$6,119,789   |  |
| Induced Impact                                 | \$182,734    | \$1,426,537         | \$2,212,752   | \$4,695,913   |  |
| Total:   | \$2,051,017  | \$15,029,616        | \$10,984,146  | \$37,214,002  |  |

| Economic impact of Businesses in Berea |              |                     |                 |                 |
|--|--------------|---------------------|-----------------|-----------------|
|  |              | All Businesses      |                 |                 |
| Impacts                                | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                          | 11,219       | \$548,830,924       | \$639,986,340   | \$1,270,489,322 |
| Indirect Impact                        | 2,438        | \$161,039,522       | \$254,544,021   | \$519,522,950   |
| Induced Impact                         | 2,405        | \$135,053,920       | \$235,945,294   | \$410,742,464   |
| Total:                                 | 16,062       | \$844,924,366       | \$1,130,475,655 | \$2,200,754,737 |
|  | Small-sized  | Businesses: 1 to 10 | Employees       |                 |
| Impacts                                | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                          | 2,717        | \$145,371,709       | \$175,230,928   | \$338,123,570   |
| Indirect Impact                        | 707          | \$46,060,154        | \$72,916,217    | \$144,374,035   |
| Induced Impact                         | 649          | \$36,440,444        | \$63,662,823    | \$110,826,628   |
| Total:                                 | 4,073        | \$227,872,307       | \$311,809,969   | \$593,324,234   |
|  | Medium-size  | d Businesses: 11 to | 50 Employees    |                 |
| Impacts                                | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                          | 3,135        | \$163,592,632       | \$191,690,714   | \$365,041,465   |
| Indirect Impact                        | 699          | \$45,443,295        | \$71,628,307    | \$144,667,873   |
| Induced Impact                         | 708          | \$39,756,338        | \$69,456,405    | \$120,912,345   |
| Total:                                 | 4,542        | \$248,792,265       | \$332,775,425   | \$630,621,683   |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees    |                 |
| Impacts                                | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                          | 1,466        | \$67,235,516        | \$82,218,773    | \$189,774,135   |
| Indirect Impact                        | 376          | \$25,610,491        | \$40,191,233    | \$81,915,449    |
| Induced Impact                         | 312          | \$17,504,934        | \$30,582,969    | \$53,240,043    |
| Total:                                 | 2,153        | \$110,350,941       | \$152,992,975   | \$324,929,627   |
| Large Businesses: 100+ Employees       |              |                     |                 |                 |
| Impacts                                | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                          | 3,901        | \$172,631,068       | \$190,845,925   | \$377,550,152   |
| Indirect Impact                        | 655          | \$43,925,582        | \$69,808,264    | \$148,565,592   |
| Induced Impact                         | 736          | \$41,352,204        | \$72,243,097    | \$125,763,448   |
| Total:                                 | 5,293        | \$257,908,853       | \$332,897,286   | \$651,879,193   |

| Fiscal impact of I   | Businesses in |                     |               |               |  |
|----------------------|---------------|---------------------|---------------|---------------|--|
| Berea All Businesses |               |                     |               |               |  |
| Jurisdictions        | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact        | \$3,515,324   | \$31,596,044        | \$85,133,154  | \$139,466,780 |  |
| Indirect Impact      | \$1,359,346   | \$11,440,185        | \$26,875,925  | \$46,685,731  |  |
| Induced Impact       | \$1,776,901   | \$13,872,042        | \$21,522,285  | \$45,669,191  |  |
| Total:               | \$6,651,570   | \$56,908,271        | \$133,531,364 | \$231,821,703 |  |
|                      | Small-sized   | Businesses: 1 to 10 | ) Employees   |               |  |
| Jurisdictions        | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact        | \$1,099,501   | \$9,501,174         | \$22,236,147  | \$38,623,117  |  |
| Indirect Impact      | \$378,245     | \$3,200,622         | \$7,721,291   | \$13,261,920  |  |
| Induced Impact       | \$479,436     | \$3,742,908         | \$5,807,191   | \$12,322,428  |  |
| Total:               | \$1,957,182   | \$16,444,704        | \$35,764,630  | \$64,207,465  |  |
|                      | Medium-sized  | Businesses: 11 to   | 50 Employees  | •             |  |
| Jurisdictions        | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact        | \$1,155,850   | \$10,141,903        | \$25,150,506  | \$42,614,487  |  |
| Indirect Impact      | \$404,289     | \$3,367,577         | \$7,515,506   | \$13,349,791  |  |
| Induced Impact       | \$523,083     | \$4,083,635         | \$6,335,580   | \$13,443,918  |  |
| Total:               | \$2,083,223   | \$17,593,114        | \$39,001,592  | \$69,408,195  |  |
|                      | Larger-sized  | Businesses: 51 to 1 | 00 Employees  |               |  |
| Jurisdictions        | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact        | \$567,747     | \$4,782,448         | \$10,196,182  | \$18,452,518  |  |
| Indirect Impact      | \$211,644     | \$1,788,826         | \$4,279,986   | \$7,376,258   |  |
| Induced Impact       | \$230,350     | \$1,798,270         | \$2,789,533   | \$5,919,766   |  |
| Total:               | \$1,009,741   | \$8,369,544         | \$17,265,701  | \$31,748,542  |  |
|                      | Large B       | usinesses: 100+ En  | nployees      |               |  |
| Jurisdictions        | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact        | \$692,226     | \$7,170,519         | \$27,550,318  | \$39,776,658  |  |
| Indirect Impact      | \$365,166     | \$3,083,160         | \$7,359,141   | \$12,697,763  |  |
| Induced Impact       | \$544,032     | \$4,247,229         | \$6,589,981   | \$13,983,080  |  |
| Total:               | \$1,601,425   | \$14,500,909        | \$41,499,441  | \$66,457,502  |  |

| Economic impact | t of Businesses in B | rooklyn             |               |                 |
|-----------------|----------------------|---------------------|---------------|-----------------|
|                 |                      | All Businesses      |               |                 |
| Impacts         | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact   | 4,488                | \$209,369,525       | \$272,978,395 | \$736,607,240   |
| Indirect Impact | 1,479                | \$103,243,638       | \$163,771,006 | \$325,147,382   |
| Induced Impact  | 1,024                | \$57,519,996        | \$100,504,980 | \$174,963,672   |
| Total:          | 6,991                | \$370,133,159       | \$537,254,381 | \$1,236,718,295 |
|                 | Small-sized          | Businesses: 1 to 10 | Employees     |                 |
| Impacts         | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact   | 313                  | \$17,104,510        | \$21,675,677  | \$43,878,787    |
| Indirect Impact | 111                  | \$7,070,360         | \$11,173,609  | \$21,821,558    |
| Induced Impact  | 80                   | \$4,466,495         | \$7,803,979   | \$13,585,504    |
| Total:          | 503                  | \$28,641,365        | \$40,653,264  | \$79,285,849    |
|                 | Medium-size          | d Businesses: 11 to | 50 Employees  |                 |
| Impacts         | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact   | 728                  | \$31,477,109        | \$41,736,046  | \$76,346,794    |
| Indirect Impact | 173                  | \$10,887,265        | \$17,022,268  | \$35,171,403    |
| Induced Impact  | 143                  | \$8,037,145         | \$14,041,737  | \$24,444,411    |
| Total:          | 1,045                | \$50,401,519        | \$72,800,051  | \$135,962,607   |
|                 | Larger-sized         | Businesses: 51 to 1 | 00 Employees  |                 |
| Impacts         | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact   | 732                  | \$34,921,013        | \$47,597,538  | \$91,767,021    |
| Indirect Impact | 211                  | \$13,484,874        | \$21,386,225  | \$43,314,910    |
| Induced Impact  | 160                  | \$8,999,512         | \$15,724,543  | \$27,373,987    |
| Total:          | 1,104                | \$57,405,399        | \$84,708,307  | \$162,455,918   |
|                 | Large I              | Businesses: 100+ En | nployees      |                 |
| Impacts         | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact   | 2,715                | \$125,866,892       | \$161,969,133 | \$524,614,639   |
| Indirect Impact | 983                  | \$71,801,140        | \$114,188,905 | \$224,839,511   |
| Induced Impact  | 641                  | \$36,016,845        | \$62,934,722  | \$109,559,770   |
| Total:          | 4,339                | \$233,684,877       | \$339,092,759 | \$859,013,920   |

| Fiscal impact of I               | Businesses in Brool | klyn                |               |               |  |
|----------------------------------|---------------------|---------------------|---------------|---------------|--|
| All Businesses                   |                     |                     |               |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$1,538,751         | \$13,275,975        | \$33,595,353  | \$56,440,938  |  |
| Indirect Impact                  | \$906,789           | \$7,571,764         | \$17,182,437  | \$30,298,551  |  |
| Induced Impact                   | \$757,319           | \$5,911,730         | \$9,165,506   | \$19,456,056  |  |
| Total:                           | \$3,202,859         | \$26,759,470        | \$59,943,295  | \$106,195,545 |  |
|                                  | Small-sized         | Businesses: 1 to 10 | Employees     |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$179,198           | \$1,444,492         | \$2,532,225   | \$5,030,773   |  |
| Indirect Impact                  | \$41,445            | \$379,767           | \$1,230,234   | \$1,885,219   |  |
| Induced Impact                   | \$58,794            | \$458,969           | \$711,734     | \$1,510,660   |  |
| Total:                           | \$279,437           | \$2,283,227         | \$4,474,193   | \$8,426,652   |  |
|                                  | Medium-size         | d Businesses: 11 to | 50 Employees  |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$385,652           | \$3,046,248         | \$4,599,867   | \$9,884,126   |  |
| Indirect Impact                  | \$77,271            | \$676,097           | \$1,848,988   | \$3,017,753   |  |
| Induced Impact                   | \$105,762           | \$825,649           | \$1,280,775   | \$2,717,976   |  |
| Total:                           | \$568,685           | \$4,547,994         | \$7,729,630   | \$15,619,854  |  |
|                                  | Larger-sized        | Businesses: 51 to 1 | 00 Employees  |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$158,619           | \$1,561,102         | \$5,999,069   | \$8,667,071   |  |
| Indirect Impact                  | \$100,211           | \$869,037           | \$2,283,614   | \$3,787,833   |  |
| Induced Impact                   | \$118,477           | \$924,859           | \$1,434,046   | \$3,043,947   |  |
| Total:                           | \$377,308           | \$3,354,998         | \$9,716,728   | \$15,498,851  |  |
| Large Businesses: 100+ Employees |                     |                     |               |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$815,281           | \$7,224,134         | \$20,464,192  | \$32,858,968  |  |
| Indirect Impact                  | \$687,862           | \$5,646,864         | \$11,819,601  | \$21,607,746  |  |
| Induced Impact                   | \$474,287           | \$3,702,253         | \$5,738,951   | \$12,183,474  |  |
| Total:                           | \$1,977,429         | \$16,573,251        | \$38,022,743  | \$66,650,188  |  |

| Economic impact                  | t of Businesses in B | rooklyn Heights     |               |               |
|----------------------------------|----------------------|---------------------|---------------|---------------|
|                                  |                      | All Businesses      |               |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 2,575                | \$163,849,317       | \$231,152,377 | \$505,317,438 |
| Indirect Impact                  | 1,095                | \$74,013,676        | \$116,043,798 | \$224,356,181 |
| Induced Impact                   | 797                  | \$44,772,043        | \$78,222,910  | \$136,173,616 |
| Total:                           | 4,467                | \$282,635,036       | \$425,419,085 | \$865,847,234 |
|                                  | Small-sized          | Businesses: 1 to 10 | Employees     |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 623                  | \$36,666,137        | \$53,022,477  | \$119,831,113 |
| Indirect Impact                  | 244                  | \$16,672,485        | \$25,823,171  | \$50,619,420  |
| Induced Impact                   | 178                  | \$10,019,617        | \$17,505,910  | \$30,475,013  |
| Total:                           | 1,046                | \$63,358,239        | \$96,351,558  | \$200,925,546 |
|                                  | Medium-size          | d Businesses: 11 to | 50 Employees  |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 714                  | \$36,890,095        | \$49,557,075  | \$98,784,432  |
| Indirect Impact                  | 191                  | \$12,874,495        | \$19,967,294  | \$39,749,839  |
| Induced Impact                   | 169                  | \$9,503,917         | \$16,603,836  | \$28,904,588  |
| Total:                           | 1,074                | \$59,268,507        | \$86,128,206  | \$167,438,859 |
|                                  | Larger-sized         | Businesses: 51 to 1 | 00 Employees  |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 608                  | \$46,983,357        | \$76,300,553  | \$153,510,683 |
| Indirect Impact                  | 340                  | \$22,824,987        | \$34,995,150  | \$67,599,131  |
| Induced Impact                   | 233                  | \$13,085,786        | \$22,863,424  | \$39,801,618  |
| Total:                           | 1,181                | \$82,894,129        | \$134,159,127 | \$260,911,431 |
| Large Businesses: 100+ Employees |                      |                     |               |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 630                  | \$43,309,729        | \$52,272,272  | \$133,191,209 |
| Indirect Impact                  | 320                  | \$21,641,709        | \$35,258,182  | \$66,387,790  |
| Induced Impact                   | 217                  | \$12,162,723        | \$21,249,740  | \$36,992,398  |
| Total:                           | 1,166                | \$77,114,161        | \$108,780,194 | \$236,571,398 |

| Fiscal impact of Businesses in Brooklyn Heights |              |                     |               |              |  |
|---|--------------|---------------------|---------------|--------------|--|
| All Businesses                                  |              |                     |               |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$1,442,074  | \$11,922,315        | \$23,694,402  | \$44,327,120 |  |
| Indirect Impact                                 | \$540,579    | \$4,578,101         | \$11,082,252  | \$19,006,316 |  |
| Induced Impact                                  | \$548,922    | \$4,285,283         | \$6,647,588   | \$14,106,941 |  |
| Total:  | \$2,531,575  | \$20,785,699        | \$41,424,241  | \$77,440,376 |  |
|   | Small-sized  | Businesses: 1 to 10 | Employees     |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$543,490    | \$4,176,656         | \$5,243,520   | \$12,505,145 |  |
| Indirect Impact                                 | \$147,553    | \$1,230,089         | \$2,749,683   | \$4,879,680  |  |
| Induced Impact                                  | \$131,870    | \$1,029,447         | \$1,596,660   | \$3,388,612  |  |
| Total:  | \$822,913    | \$6,436,192         | \$9,589,862   | \$20,773,437 |  |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$345,963    | \$2,873,481         | \$5,835,568   | \$10,810,288 |  |
| Indirect Impact                                 | \$133,642    | \$1,112,039         | \$2,450,270   | \$4,376,982  |  |
| Induced Impact                                  | \$131,950    | \$1,030,116         | \$1,598,177   | \$3,391,289  |  |
| Total:  | \$611,555    | \$5,015,636         | \$9,884,015   | \$18,578,560 |  |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$487,881    | \$3,815,613         | \$5,273,974   | \$11,901,488 |  |
| Indirect Impact                                 | \$120,186    | \$991,864           | \$2,106,279   | \$3,824,747  |  |
| Induced Impact                                  | \$125,045    | \$976,209           | \$1,514,547   | \$3,213,822  |  |
| Total:  | \$733,112    | \$5,783,686         | \$8,894,800   | \$18,940,058 |  |
| Large Businesses: 100+ Employees                |              |                     |               |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$64,740     | \$1,056,565         | \$7,341,340   | \$9,110,199  |  |
| Indirect Impact                                 | \$139,198    | \$1,244,110         | \$3,776,021   | \$5,924,906  |  |
| Induced Impact                                  | \$160,057    | \$1,249,511         | \$1,938,204   | \$4,113,217  |  |
| Total:  | \$363,995    | \$3,550,185         | \$13,055,564  | \$19,148,322 |  |

| Economic impact                  | t of Businesses in B | rookpark            |               |                 |
|----------------------------------|----------------------|---------------------|---------------|-----------------|
|                                  |                      | All Businesses      |               |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact                    | 7,044                | \$323,187,666       | \$425,643,986 | \$859,394,112   |
| Indirect Impact                  | 1,920                | \$126,615,350       | \$198,511,020 | \$391,869,447   |
| Induced Impact                   | 1,502                | \$84,371,031        | \$147,409,014 | \$256,615,662   |
| Total:                           | 10,466               | \$534,174,047       | \$771,564,021 | \$1,507,879,221 |
|                                  | Small-sized          | Businesses: 1 to 10 | Employees     |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact                    | 1,391                | \$76,547,524        | \$112,512,627 | \$214,012,600   |
| Indirect Impact                  | 509                  | \$32,975,886        | \$50,933,297  | \$100,033,138   |
| Induced Impact                   | 366                  | \$20,579,978        | \$35,956,284  | \$62,594,172    |
| Total:                           | 2,266                | \$130,103,388       | \$199,402,209 | \$376,639,910   |
|                                  | Medium-size          | d Businesses: 11 to | 50 Employees  |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact                    | 2,486                | \$137,979,181       | \$164,858,814 | \$320,544,520   |
| Indirect Impact                  | 681                  | \$44,454,517        | \$69,492,704  | \$139,739,889   |
| Induced Impact                   | 612                  | \$34,366,003        | \$60,040,975  | \$104,521,703   |
| Total:                           | 3,778                | \$216,799,701       | \$294,392,493 | \$564,806,112   |
|                                  | Larger-sized         | Businesses: 51 to 1 | 00 Employees  |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact                    | 1,383                | \$66,393,168        | \$87,283,393  | \$189,776,627   |
| Indirect Impact                  | 410                  | \$27,690,569        | \$43,548,016  | \$86,362,090    |
| Induced Impact                   | 317                  | \$17,814,097        | \$31,122,885  | \$54,179,939    |
| Total:                           | 2,110                | \$111,897,834       | \$161,954,294 | \$330,318,656   |
| Large Businesses: 100+ Employees |                      |                     |               |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output          |
| Direct Impact                    | 1,784                | \$42,267,793        | \$60,989,152  | \$135,060,365   |
| Indirect Impact                  | 321                  | \$21,494,378        | \$34,537,003  | \$65,734,329    |
| Induced Impact                   | 207                  | \$11,610,952        | \$20,288,870  | \$35,319,848    |
| Total:                           | 2,311                | \$75,373,123        | \$115,815,025 | \$236,114,543   |

| Fiscal impact of I               | Businesses in Brool | spark               |               |               |  |
|----------------------------------|---------------------|---------------------|---------------|---------------|--|
| All Businesses                   |                     |                     |               |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$3,956,633         | \$31,200,706        | \$46,886,934  | \$100,994,204 |  |
| Indirect Impact                  | \$1,003,438         | \$8,559,598         | \$21,253,959  | \$36,065,576  |  |
| Induced Impact                   | \$1,110,387         | \$8,668,312         | \$13,444,870  | \$28,533,744  |  |
| Total:                           | \$6,070,458         | \$48,428,616        | \$81,585,762  | \$165,593,523 |  |
|                                  | Small-sized         | Businesses: 1 to 10 | Employees     |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$1,287,824         | \$9,746,287         | \$10,545,845  | \$27,509,508  |  |
| Indirect Impact                  | \$228,309           | \$2,007,572         | \$5,600,688   | \$9,068,468   |  |
| Induced Impact                   | \$270,846           | \$2,114,379         | \$3,279,508   | \$6,959,994   |  |
| Total:                           | \$1,786,979         | \$13,868,239        | \$19,426,041  | \$43,537,969  |  |
|                                  | Medium-size         | d Businesses: 11 to | 50 Employees  |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$728,912           | \$6,880,586         | \$22,035,390  | \$33,826,838  |  |
| Indirect Impact                  | \$345,049           | \$2,958,667         | \$7,457,996   | \$12,577,824  |  |
| Induced Impact                   | \$452,224           | \$3,530,381         | \$5,476,465   | \$11,621,768  |  |
| Total:                           | \$1,526,185         | \$13,369,634        | \$34,969,852  | \$58,026,430  |  |
|                                  | Larger-sized        | Businesses: 51 to 1 | 00 Employees  |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$689,521           | \$5,592,577         | \$9,942,710   | \$19,630,248  |  |
| Indirect Impact                  | \$226,093           | \$1,916,150         | \$4,638,612   | \$7,955,192   |  |
| Induced Impact                   | \$234,410           | \$1,829,976         | \$2,838,814   | \$6,024,237   |  |
| Total:                           | \$1,150,024         | \$9,338,703         | \$17,420,136  | \$33,609,677  |  |
| Large Businesses: 100+ Employees |                     |                     |               |               |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                    | \$1,250,376         | \$8,981,256         | \$4,362,988   | \$20,027,610  |  |
| Indirect Impact                  | \$203,988           | \$1,677,209         | \$3,556,662   | \$6,464,092   |  |
| Induced Impact                   | \$152,907           | \$1,193,576         | \$1,850,082   | \$3,927,745   |  |
| Total:                           | \$1,607,271         | \$11,852,040        | \$9,769,733   | \$30,419,447  |  |

| Economic impact of Businesses in Cleveland Heights |              |                     |               |               |  |
|--|--------------|---------------------|---------------|---------------|--|
| All Businesses                                     |              |                     |               |               |  |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                      | 5,254        | \$282,550,653       | \$335,013,890 | \$539,124,970 |  |
| Indirect Impact                                    | 985          | \$63,074,299        | \$99,308,558  | \$202,478,086 |  |
| Induced Impact                                     | 1,155        | \$64,878,808        | \$113,353,074 | \$197,329,680 |  |
| Total:   | 7,394        | \$410,503,760       | \$547,675,522 | \$938,932,737 |  |
|  | Small-sized  | Businesses: 1 to 10 | Employees     |               |  |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                      | 1,801        | \$93,324,854        | \$113,228,760 | \$216,823,947 |  |
| Indirect Impact                                    | 500          | \$32,228,993        | \$50,869,319  | \$101,756,733 |  |
| Induced Impact                                     | 420          | \$23,599,928        | \$41,231,828  | \$71,778,013  |  |
| Total:   | 2,721        | \$149,153,775       | \$205,329,907 | \$390,358,692 |  |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |               |  |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                      | 1,413        | \$64,730,983        | \$77,253,394  | \$135,943,513 |  |
| Indirect Impact                                    | 299          | \$18,775,832        | \$29,698,530  | \$61,838,644  |  |
| Induced Impact                                     | 285          | \$16,022,570        | \$27,991,516  | \$48,728,651  |  |
| Total:   | 1,997        | \$99,529,386        | \$134,943,439 | \$246,510,808 |  |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |  |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                      | 549          | \$32,641,526        | \$38,408,749  | \$66,704,720  |  |
| Indirect Impact                                    | 103          | \$6,915,163         | \$10,932,378  | \$21,444,059  |  |
| Induced Impact                                     | 134          | \$7,531,418         | \$13,157,963  | \$22,905,891  |  |
| Total:   | 786          | \$47,088,107        | \$62,499,090  | \$111,054,670 |  |
| Large Businesses: 100+ Employees                   |              |                     |               |               |  |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                      | 1,491        | \$91,853,289        | \$106,122,987 | \$119,652,791 |  |
| Indirect Impact                                    | 83           | \$5,154,311         | \$7,808,331   | \$17,438,650  |  |
| Induced Impact                                     | 315          | \$17,724,891        | \$30,971,767  | \$53,917,125  |  |
| Total:   | 1,889        | \$114,732,492       | \$144,903,086 | \$191,008,565 |  |

| Fiscal impact of Businesses in Cleveland Heights |              |                     |               |               |  |
|--|--------------|---------------------|---------------|---------------|--|
|  |              | All Businesses      |               |               |  |
| Jurisdictions                                    | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                    | \$1,507,498  | \$14,181,820        | \$45,324,799  | \$69,610,514  |  |
| Indirect Impact                                  | \$470,724    | \$4,070,413         | \$10,667,521  | \$17,708,581  |  |
| Induced Impact                                   | \$853,852    | \$6,665,658         | \$10,338,708  | \$21,941,576  |  |
| Total:   | \$2,832,074  | \$24,917,891        | \$66,331,027  | \$109,260,670 |  |
|  | Small-sized  | Businesses: 1 to 10 | Employees     |               |  |
| Jurisdictions                                    | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                    | \$566,555    | \$5,144,972         | \$14,754,151  | \$23,592,086  |  |
| Indirect Impact                                  | \$217,561    | \$1,925,464         | \$5,518,062   | \$8,845,365   |  |
| Induced Impact                                   | \$310,564    | \$2,424,466         | \$3,760,797   | \$7,981,046   |  |
| Total:   | \$1,094,679  | \$9,494,903         | \$24,033,009  | \$40,418,497  |  |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |               |  |
| Jurisdictions                                    | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                    | \$333,050    | \$3,185,562         | \$10,362,595  | \$15,826,040  |  |
| Indirect Impact                                  | \$139,575    | \$1,209,227         | \$3,176,565   | \$5,269,095   |  |
| Induced Impact                                   | \$210,786    | \$1,645,603         | \$2,553,407   | \$5,417,887   |  |
| Total:   | \$683,411    | \$6,040,392         | \$16,092,567  | \$26,513,023  |  |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |  |
| Jurisdictions                                    | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                    | \$207,142    | \$1,866,938         | \$5,128,056   | \$8,336,779   |  |
| Indirect Impact                                  | \$80,575     | \$640,167           | \$1,094,126   | \$2,205,709   |  |
| Induced Impact                                   | \$99,099     | \$773,645           | \$1,200,197   | \$2,546,873   |  |
| Total:   | \$386,816    | \$3,280,750         | \$7,422,379   | \$13,089,361  |  |
| Large Businesses: 100+ Employees                 |              |                     |               |               |  |
| Jurisdictions                                    | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                    | \$400,751    | \$3,984,348         | \$15,079,997  | \$21,855,609  |  |
| Indirect Impact                                  | \$33,014     | \$295,555           | \$878,768     | \$1,388,412   |  |
| Induced Impact                                   | \$233,404    | \$1,821,944         | \$2,824,307   | \$5,995,770   |  |
| Total:   | \$667,168    | \$6,101,847         | \$18,783,072  | \$29,239,790  |  |

| Economic impact of Businesses in East Cleveland |              |                     |               |               |
|---|--------------|---------------------|---------------|---------------|
|   |              | All Businesses      |               |               |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                   | 1,344        | \$87,484,834        | \$91,489,935  | \$173,583,550 |
| Indirect Impact                                 | 378          | \$23,758,278        | \$36,870,264  | \$73,446,402  |
| Induced Impact                                  | 359          | \$20,178,843        | \$35,258,631  | \$61,379,842  |
| Total:  | 2,081        | \$131,421,955       | \$163,618,829 | \$308,409,793 |
|   | Small-sized  | Businesses: 1 to 10 | Employees     |               |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                   | 218          | \$10,175,778        | \$12,451,654  | \$22,176,132  |
| Indirect Impact                                 | 51           | \$3,224,525         | \$5,044,781   | \$10,183,226  |
| Induced Impact                                  | 44           | \$2,499,445         | \$4,366,940   | \$7,602,149   |
| Total:  | 314          | \$15,899,747        | \$21,863,374  | \$39,961,507  |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |               |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                   | 190          | \$8,663,682         | \$9,713,780   | \$14,644,982  |
| Indirect Impact                                 | 24           | \$1,523,515         | \$2,461,282   | \$4,879,718   |
| Induced Impact                                  | 33           | \$1,866,244         | \$3,260,886   | \$5,676,699   |
| Total:  | 247          | \$12,053,441        | \$15,435,948  | \$25,201,399  |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                   | 136          | \$4,797,596         | \$7,037,210   | \$11,603,118  |
| Indirect Impact                                 | 29           | \$1,584,637         | \$2,501,136   | \$5,215,763   |
| Induced Impact                                  | 22           | \$1,209,717         | \$2,113,622   | \$3,679,484   |
| Total:  | 187          | \$7,591,950         | \$11,651,968  | \$20,498,365  |
| Large Businesses: 100+ Employees                |              |                     |               |               |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                   | 800          | \$63,847,778        | \$62,287,292  | \$125,159,318 |
| Indirect Impact                                 | 273          | \$17,425,602        | \$26,863,064  | \$53,167,694  |
| Induced Impact                                  | 260          | \$14,603,436        | \$25,517,183  | \$44,421,510  |
| Total:  | 1,333        | \$95,876,816        | \$114,667,538 | \$222,748,522 |

| Fiscal impact of B               | Businesses in East ( | Cleveland           |               |              |  |
|----------------------------------|----------------------|---------------------|---------------|--------------|--|
| All Businesses                   |                      |                     |               |              |  |
| Jurisdictions                    | County Taxes         | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                    | \$422,131            | \$4,047,022         | \$13,627,120  | \$20,514,931 |  |
| Indirect Impact                  | \$132,824            | \$1,232,925         | \$4,116,718   | \$6,241,439  |  |
| Induced Impact                   | \$265,680            | \$2,073,929         | \$3,215,389   | \$6,825,478  |  |
| Total:                           | \$820,636            | \$7,353,876         | \$20,959,227  | \$33,581,848 |  |
|                                  | Small-sized          | Businesses: 1 to 10 | Employees     |              |  |
| Jurisdictions                    | County Taxes         | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                    | \$124,343            | \$980,020           | \$1,435,868   | \$3,134,014  |  |
| Indirect Impact                  | \$18,618             | \$171,215           | \$560,435     | \$855,549    |  |
| Induced Impact                   | \$32,896             | \$256,801           | \$398,295     | \$845,307    |  |
| Total:                           | \$175,857            | \$1,408,036         | \$2,394,598   | \$4,834,870  |  |
|                                  | Medium-size          | d Businesses: 11 to | 50 Employees  |              |  |
| Jurisdictions                    | County Taxes         | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                    | \$48,957             | \$450,464           | \$1,367,042   | \$2,137,111  |  |
| Indirect Impact                  | \$12,177             | \$103,652           | \$257,608     | \$437,097    |  |
| Induced Impact                   | \$24,571             | \$191,804           | \$297,377     | \$631,250    |  |
| Total:                           | \$85,705             | \$745,920           | \$1,922,026   | \$3,205,458  |  |
|                                  | Larger-sized         | Businesses: 51 to 1 | 00 Employees  |              |  |
| Jurisdictions                    | County Taxes         | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                    | \$136,911            | \$988,998           | \$522,134     | \$2,247,866  |  |
| Indirect Impact                  | \$12,385             | \$105,928           | \$267,366     | \$450,627    |  |
| Induced Impact                   | \$15,923             | \$124,302           | \$192,770     | \$409,141    |  |
| Total:                           | \$165,219            | \$1,219,228         | \$982,269     | \$3,107,635  |  |
| Large Businesses: 100+ Employees |                      |                     |               |              |  |
| Jurisdictions                    | County Taxes         | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                    | \$111,920            | \$1,627,541         | \$10,302,077  | \$12,995,939 |  |
| Indirect Impact                  | \$89,644             | \$852,130           | \$3,031,309   | \$4,498,166  |  |
| Induced Impact                   | \$192,290            | \$1,501,022         | \$2,326,947   | \$4,939,780  |  |
| Total:                           | \$393,854            | \$3,980,692         | \$15,660,334  | \$22,433,886 |  |

| Economic impact of Businesses in Euclid |              |                     |                 |                 |
|---|--------------|---------------------|-----------------|-----------------|
|   |              | All Businesses      |                 |                 |
| Impacts                                 | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                           | 10,236       | \$525,003,455       | \$673,098,747   | \$1,371,987,518 |
| Indirect Impact                         | 2,714        | \$181,462,379       | \$283,590,319   | \$566,655,299   |
| Induced Impact                          | 2,352        | \$132,136,224       | \$230,865,474   | \$401,900,277   |
| Total:                                  | 15,302       | \$838,602,059       | \$1,187,554,540 | \$2,340,543,094 |
|   | Small-sized  | Businesses: 1 to 10 | Employees       |                 |
| Impacts                                 | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                           | 2,437        | \$122,035,074       | \$150,722,394   | \$283,663,304   |
| Indirect Impact                         | 628          | \$40,399,592        | \$63,629,231    | \$126,781,414   |
| Induced Impact                          | 548          | \$30,766,987        | \$53,752,108    | \$93,573,740    |
| Total:                                  | 3,613        | \$193,201,653       | \$268,103,733   | \$504,018,458   |
|   | Medium-size  | d Businesses: 11 to | 50 Employees    |                 |
| Impacts                                 | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                           | 3,246        | \$162,729,740       | \$206,020,510   | \$414,658,541   |
| Indirect Impact                         | 859          | \$56,121,938        | \$87,623,747    | \$175,026,746   |
| Induced Impact                          | 726          | \$40,809,697        | \$71,302,533    | \$124,126,472   |
| Total:                                  | 4,831        | \$259,661,374       | \$364,946,790   | \$713,811,760   |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees    |                 |
| Impacts                                 | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                           | 2,287        | \$122,355,221       | \$144,864,985   | \$244,076,282   |
| Indirect Impact                         | 368          | \$25,048,797        | \$39,343,888    | \$79,792,172    |
| Induced Impact                          | 488          | \$27,424,941        | \$47,917,452    | \$83,416,771    |
| Total:                                  | 3,143        | \$174,828,959       | \$232,126,324   | \$407,285,225   |
| Large Businesses: 100+ Employees        |              |                     |                 |                 |
| Impacts                                 | Employment   | Local Earnings      | Value-added     | Output          |
| Direct Impact                           | 2,266        | \$117,883,421       | \$171,490,858   | \$429,589,391   |
| Indirect Impact                         | 859          | \$59,892,052        | \$92,993,453    | \$185,054,967   |
| Induced Impact                          | 590          | \$33,134,599        | \$57,893,382    | \$100,783,294   |
| Total:                                  | 3,715        | \$210,910,072       | \$322,377,693   | \$715,427,652   |

| Fiscal impact of I<br>Euclid | Businesses in |                     |               |               |
|------------------------------|---------------|---------------------|---------------|---------------|
| All Businesses               |               |                     |               |               |
| Jurisdictions                | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                | \$5,828,576   | \$46,654,108        | \$77,418,057  | \$158,207,736 |
| Indirect Impact              | \$1,460,237   | \$12,407,298        | \$30,413,409  | \$51,879,669  |
| Induced Impact               | \$1,739,134   | \$13,576,540        | \$21,056,240  | \$44,688,850  |
| Total:                       | \$9,027,948   | \$72,637,946        | \$128,887,706 | \$254,776,256 |
|                              | Small-sized   | Businesses: 1 to 10 | ) Employees   |               |
| Jurisdictions                | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                | \$1,277,052   | \$10,343,880        | \$17,819,741  | \$35,728,781  |
| Indirect Impact              | \$290,169     | \$2,527,608         | \$6,878,970   | \$11,247,666  |
| Induced Impact               | \$404,829     | \$3,160,416         | \$4,902,999   | \$10,404,303  |
| Total:                       | \$1,972,049   | \$16,031,904        | \$29,601,710  | \$57,380,750  |
|                              | Medium-sized  | Businesses: 11 to   | 50 Employees  | •             |
| Jurisdictions                | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                | \$2,021,508   | \$15,895,346        | \$23,312,209  | \$50,861,997  |
| Indirect Impact              | \$439,504     | \$3,755,991         | \$9,432,362   | \$15,928,946  |
| Induced Impact               | \$537,150     | \$4,193,232         | \$6,503,083   | \$13,802,221  |
| Total:                       | \$2,998,162   | \$23,844,568        | \$39,247,654  | \$80,593,165  |
|                              | Larger-sized  | Businesses: 51 to 1 | 00 Employees  | •             |
| Jurisdictions                | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                | \$817,680     | \$7,236,472         | \$19,234,085  | \$31,662,816  |
| Indirect Impact              | \$215,924     | \$1,808,602         | \$4,168,443   | \$7,299,732   |
| Induced Impact               | \$361,001     | \$2,818,106         | \$4,370,159   | \$9,275,626   |
| Total:                       | \$1,394,605   | \$11,863,180        | \$27,772,687  | \$48,238,174  |
|                              | Large B       | usinesses: 100+ En  | nployees      |               |
| Jurisdictions                | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                | \$1,712,336   | \$13,178,410        | \$17,052,023  | \$39,954,142  |
| Indirect Impact              | \$514,640     | \$4,315,097         | \$9,933,634   | \$17,403,326  |
| Induced Impact               | \$436,155     | \$3,404,787         | \$5,279,999   | \$11,206,700  |
| Total:                       | \$2,663,131   | \$20,898,294        | \$32,265,656  | \$68,564,168  |

| Economic impact of Businesses in Fairview Park |              |                     |               |               |
|--|--------------|---------------------|---------------|---------------|
|  |              | All Businesses      |               |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 3,425        | \$158,461,699       | \$191,603,544 | \$320,530,249 |
| Indirect Impact                                | 690          | \$43,099,561        | \$66,431,820  | \$136,545,009 |
| Induced Impact                                 | 673          | \$37,804,734        | \$66,050,185  | \$114,982,850 |
| Total:   | 4,788        | \$239,365,994       | \$324,085,549 | \$572,058,108 |
|  | Small-sized  | Businesses: 1 to 10 | Employees     |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 976          | \$55,440,246        | \$66,099,299  | \$124,902,511 |
| Indirect Impact                                | 287          | \$18,235,955        | \$28,552,919  | \$56,521,727  |
| Induced Impact                                 | 243          | \$13,653,184        | \$23,854,765  | \$41,527,385  |
| Total:   | 1,506        | \$87,329,385        | \$118,506,983 | \$222,951,623 |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 944          | \$47,342,765        | \$55,449,535  | \$91,159,583  |
| Indirect Impact                                | 187          | \$11,492,433        | \$17,794,688  | \$36,534,533  |
| Induced Impact                                 | 195          | \$10,947,372        | \$19,127,215  | \$33,297,468  |
| Total:   | 1,326        | \$69,782,571        | \$92,371,438  | \$160,991,583 |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 340          | \$16,312,361        | \$18,953,370  | \$24,243,354  |
| Indirect Impact                                | 32           | \$1,807,867         | \$2,874,275   | \$6,581,009   |
| Induced Impact                                 | 61           | \$3,435,503         | \$6,002,214   | \$10,448,893  |
| Total:   | 433          | \$21,555,731        | \$27,829,859  | \$41,273,257  |
| Large Businesses: 100+ Employees               |              |                     |               |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 1,165        | \$39,366,327        | \$51,101,339  | \$80,224,801  |
| Indirect Impact                                | 183          | \$11,563,305        | \$17,209,938  | \$36,907,741  |
| Induced Impact                                 | 174          | \$9,768,675         | \$17,065,991  | \$29,709,104  |
| Total:   | 1,522        | \$60,698,307        | \$85,377,269  | \$146,841,645 |

| Fiscal impact of Businesses in Fairview Park |              |                     |               |              |  |  |
|--|--------------|---------------------|---------------|--------------|--|--|
| All Businesses                               |              |                     |               |              |  |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                | \$2,131,288  | \$16,589,834        | \$21,877,738  | \$50,650,608 |  |  |
| Indirect Impact                              | \$276,803    | \$2,494,768         | \$7,614,671   | \$11,917,856 |  |  |
| Induced Impact                               | \$501,805    | \$3,917,393         | \$6,076,217   | \$12,895,195 |  |  |
| Total:                                       | \$2,909,896  | \$23,001,995        | \$35,568,626  | \$75,463,659 |  |  |
|  | Small-sized  | Businesses: 1 to 10 | ) Employees   |              |  |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                | \$417,514    | \$3,595,247         | \$8,591,496   | \$14,780,525 |  |  |
| Indirect Impact                              | \$119,592    | \$1,083,004         | \$3,363,937   | \$5,232,778  |  |  |
| Induced Impact                               | \$183,988    | \$1,436,294         | \$2,227,506   | \$4,727,656  |  |  |
| Total:                                       | \$721,094    | \$6,114,545         | \$14,182,939  | \$24,740,960 |  |  |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |              |  |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                | \$543,933    | \$4,326,278         | \$6,736,891   | \$14,222,813 |  |  |
| Indirect Impact                              | \$72,676     | \$652,802           | \$1,971,624   | \$3,097,916  |  |  |
| Induced Impact                               | \$144,093    | \$1,124,855         | \$1,744,478   | \$3,702,508  |  |  |
| Total:                                       | \$760,702    | \$6,103,934         | \$10,452,993  | \$21,023,238 |  |  |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |              |  |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                | \$108,254    | \$963,550           | \$2,553,543   | \$4,209,380  |  |  |
| Indirect Impact                              | \$13,695     | \$118,018           | \$306,221     | \$510,421    |  |  |
| Induced Impact                               | \$45,209     | \$352,934           | \$547,470     | \$1,161,818  |  |  |
| Total:                                       | \$167,158    | \$1,434,501         | \$3,407,233   | \$5,881,619  |  |  |
| Large Businesses: 100+ Employees             |              |                     |               |              |  |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                | \$1,061,587  | \$7,704,759         | \$3,995,809   | \$17,437,890 |  |  |
| Indirect Impact                              | \$70,839     | \$640,945           | \$1,972,889   | \$3,076,741  |  |  |
| Induced Impact                               | \$128,515    | \$1,003,310         | \$1,556,763   | \$3,303,212  |  |  |
| Total:                                       | \$1,260,941  | \$9,349,015         | \$7,525,461   | \$23,817,843 |  |  |

| Economic impact                  | t of Businesses in G                         | arfield Heights     |               |               |  |  |
|----------------------------------|--|---------------------|---------------|---------------|--|--|
| All Businesses                   |  |                     |               |               |  |  |
| Impacts                          | Employment                                   | Local Earnings      | Value-added   | Output        |  |  |
| Direct Impact                    | 3,067  | \$157,642,440       | \$200,091,281 | \$394,873,090 |  |  |
| Indirect Impact                  | 993  | \$63,463,304        | \$100,148,819 | \$194,032,429 |  |  |
| Induced Impact                   | 725  | \$40,715,513        | \$71,140,280  | \$123,844,142 |  |  |
| Total:                           | 4,785  | \$261,821,258       | \$371,380,379 | \$712,749,661 |  |  |
|                                  | Small-sized                                  | Businesses: 1 to 10 | Employees     |               |  |  |
| Impacts                          | Employment                                   | Local Earnings      | Value-added   | Output        |  |  |
| Direct Impact                    | 892  | \$50,142,520        | \$59,672,423  | \$115,653,455 |  |  |
| Indirect Impact                  | 273  | \$17,453,014        | \$27,441,295  | \$53,844,662  |  |  |
| Induced Impact                   | 224  | \$12,558,776        | \$21,942,404  | \$38,198,255  |  |  |
| Total:                           | 1,389  | \$80,154,310        | \$109,056,122 | \$207,696,372 |  |  |
|                                  | Medium-size                                  | d Businesses: 11 to | 50 Employees  |               |  |  |
| Impacts                          | Employment                                   | Local Earnings      | Value-added   | Output        |  |  |
| Direct Impact                    | 1,054  | \$50,329,722        | \$63,820,656  | \$107,289,134 |  |  |
| Indirect Impact                  | 232  | \$14,250,420        | \$22,092,076  | \$44,380,031  |  |  |
| Induced Impact                   | 214  | \$12,043,178        | \$21,041,894  | \$36,630,627  |  |  |
| Total:                           | 1,501  | \$76,623,320        | \$106,954,625 | \$188,299,791 |  |  |
|                                  | Larger-sized Businesses: 51 to 100 Employees |                     |               |               |  |  |
| Impacts                          | Employment                                   | Local Earnings      | Value-added   | Output        |  |  |
| Direct Impact                    | 296  | \$12,129,468        | \$15,067,122  | \$27,666,245  |  |  |
| Indirect Impact                  | 67   | \$4,149,406         | \$6,429,723   | \$12,683,930  |  |  |
| Induced Impact                   | 53   | \$2,964,668         | \$5,180,288   | \$9,018,089   |  |  |
| Total:                           | 416  | \$19,243,542        | \$26,677,133  | \$49,368,264  |  |  |
| Large Businesses: 100+ Employees |  |                     |               |               |  |  |
| Impacts                          | Employment                                   | Local Earnings      | Value-added   | Output        |  |  |
| Direct Impact                    | 825  | \$45,040,730        | \$61,531,080  | \$144,264,257 |  |  |
| Indirect Impact                  | 421  | \$27,610,463        | \$44,185,724  | \$83,123,806  |  |  |
| Induced Impact                   | 234  | \$13,148,892        | \$22,975,694  | \$39,997,171  |  |  |
| Total:                           | 1,480  | \$85,800,085        | \$128,692,499 | \$267,385,234 |  |  |

| Fiscal impact of Businesses in Garfield Heights |              |                     |               |              |  |  |
|---|--------------|---------------------|---------------|--------------|--|--|
| All Businesses                                  |              |                     |               |              |  |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                   | \$2,213,482  | \$17,079,610        | \$21,785,768  | \$51,414,681 |  |  |
| Indirect Impact                                 | \$372,000    | \$3,405,849         | \$11,051,779  | \$16,923,943 |  |  |
| Induced Impact                                  | \$535,992    | \$4,184,105         | \$6,487,932   | \$13,771,195 |  |  |
| Total:  | \$3,121,474  | \$24,669,564        | \$39,325,479  | \$82,109,819 |  |  |
|   | Small-sized  | Businesses: 1 to 10 | Employees     |              |  |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                   | \$483,074    | \$3,955,639         | \$7,367,997   | \$14,201,333 |  |  |
| Indirect Impact                                 | \$108,416    | \$978,062           | \$3,015,106   | \$4,702,758  |  |  |
| Induced Impact                                  | \$165,294    | \$1,290,369         | \$2,001,273   | \$4,247,411  |  |  |
| Total:  | \$756,784    | \$6,224,069         | \$12,384,376  | \$23,151,502 |  |  |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |              |  |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                   | \$791,532    | \$6,032,774         | \$6,764,795   | \$17,242,735 |  |  |
| Indirect Impact                                 | \$102,422    | \$892,130           | \$2,413,423   | \$3,954,907  |  |  |
| Induced Impact                                  | \$158,520    | \$1,237,472         | \$1,919,091   | \$4,073,153  |  |  |
| Total:  | \$1,052,474  | \$8,162,376         | \$11,097,309  | \$25,270,794 |  |  |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |              |  |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                   | \$239,830    | \$1,778,869         | \$1,482,622   | \$4,575,480  |  |  |
| Indirect Impact                                 | \$28,160     | \$248,520           | \$707,305     | \$1,136,401  |  |  |
| Induced Impact                                  | \$39,037     | \$304,726           | \$472,397     | \$1,002,834  |  |  |
| Total:  | \$307,028    | \$2,332,114         | \$2,662,324   | \$6,714,714  |  |  |
| Large Businesses: 100+ Employees                |              |                     |               |              |  |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                                   | \$699,046    | \$5,312,328         | \$6,170,354   | \$15,395,133 |  |  |
| Indirect Impact                                 | \$133,000    | \$1,287,138         | \$4,915,946   | \$7,129,878  |  |  |
| Induced Impact                                  | \$173,141    | \$1,351,539         | \$2,095,171   | \$4,447,798  |  |  |
| Total:  | \$1,005,188  | \$7,951,004         | \$13,181,471  | \$26,972,809 |  |  |

| Economic impact of Businesses in Lakewood |              |                     |                 |                 |  |
|---|--------------|---------------------|-----------------|-----------------|--|
| All Businesses                            |              |                     |                 |                 |  |
| Impacts                                   | Employment   | Local Earnings      | Value-added     | Output          |  |
| Direct Impact                             | 11,514       | \$573,150,367       | \$682,460,562   | \$1,186,953,595 |  |
| Indirect Impact                           | 2,421        | \$153,334,158       | \$241,700,419   | \$489,586,119   |  |
| Induced Impact                            | 2,434        | \$136,736,287       | \$238,894,350   | \$415,876,832   |  |
| Total:                                    | 16,369       | \$863,220,812       | \$1,163,055,331 | \$2,092,416,545 |  |
|   | Small-sized  | Businesses: 1 to 10 | Employees       |                 |  |
| Impacts                                   | Employment   | Local Earnings      | Value-added     | Output          |  |
| Direct Impact                             | 4,073        | \$210,722,151       | \$261,863,153   | \$485,351,621   |  |
| Indirect Impact                           | 1,099        | \$69,571,131        | \$109,341,630   | \$218,103,893   |  |
| Induced Impact                            | 940          | \$52,785,970        | \$92,222,827    | \$160,545,158   |  |
| Total:                                    | 6,112        | \$333,079,253       | \$463,427,610   | \$864,000,672   |  |
|   | Medium-size  | d Businesses: 11 to | 50 Employees    |                 |  |
| Impacts                                   | Employment   | Local Earnings      | Value-added     | Output          |  |
| Direct Impact                             | 3,347        | \$145,473,785       | \$179,894,076   | \$327,122,707   |  |
| Indirect Impact                           | 718          | \$44,924,221        | \$70,446,749    | \$144,032,909   |  |
| Induced Impact                            | 646          | \$36,259,461        | \$63,347,234    | \$110,277,270   |  |
| Total:                                    | 4,711        | \$226,657,467       | \$313,688,058   | \$581,432,886   |  |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees    |                 |  |
| Impacts                                   | Employment   | Local Earnings      | Value-added     | Output          |  |
| Direct Impact                             | 1,779        | \$77,343,320        | \$86,598,374    | \$142,214,871   |  |
| Indirect Impact                           | 229          | \$14,960,135        | \$24,144,331    | \$51,459,972    |  |
| Induced Impact                            | 316          | \$17,763,674        | \$31,032,772    | \$54,022,955    |  |
| Total:                                    | 2,324        | \$110,067,129       | \$141,775,476   | \$247,697,799   |  |
| Large Businesses: 100+ Employees          |              |                     |                 |                 |  |
| Impacts                                   | Employment   | Local Earnings      | Value-added     | Output          |  |
| Direct Impact                             | 2,315        | \$139,611,112       | \$154,104,960   | \$232,264,396   |  |
| Indirect Impact                           | 374          | \$23,878,671        | \$37,767,709    | \$75,989,344    |  |
| Induced Impact                            | 533          | \$29,927,181        | \$52,291,517    | \$91,031,448    |  |
| Total:                                    | 3,222        | \$193,416,964       | \$244,164,186   | \$399,285,188   |  |

| Fiscal impact of I                           | Businesses in Lakev | wood                |               |               |  |
|--|---------------------|---------------------|---------------|---------------|--|
| All Businesses                               |                     |                     |               |               |  |
| Jurisdictions                                | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                | \$5,024,469         | \$41,991,852        | \$85,957,377  | \$158,443,110 |  |
| Indirect Impact                              | \$1,799,386         | \$14,047,209        | \$21,789,779  | \$46,241,642  |  |
| Induced Impact                               | \$1,074,671         | \$9,416,224         | \$26,172,427  | \$42,444,532  |  |
| Total:                                       | \$7,898,526         | \$65,455,286        | \$133,919,583 | \$247,129,284 |  |
|  | Small-sized         | Businesses: 1 to 10 | Employees     |               |  |
| Jurisdictions                                | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                | \$2,273,831         | \$18,303,746        | \$30,706,451  | \$62,399,477  |  |
| Indirect Impact                              | \$694,623           | \$5,422,705         | \$8,411,802   | \$17,851,057  |  |
| Induced Impact                               | \$470,841           | \$4,159,391         | \$11,913,235  | \$19,097,519  |  |
| Total:                                       | \$3,439,295         | \$27,885,841        | \$51,031,488  | \$99,348,053  |  |
|  | Medium-size         | d Businesses: 11 to | 50 Employees  |               |  |
| Jurisdictions                                | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                | \$1,972,673         | \$15,365,153        | \$20,053,806  | \$46,725,063  |  |
| Indirect Impact                              | \$477,076           | \$3,724,461         | \$5,778,313   | \$12,261,441  |  |
| Induced Impact                               | \$337,120           | \$2,908,403         | \$7,596,325   | \$12,625,391  |  |
| Total:                                       | \$2,786,868         | \$21,998,017        | \$33,428,444  | \$71,611,895  |  |
| Larger-sized Businesses: 51 to 100 Employees |                     |                     |               |               |  |
| Jurisdictions                                | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                | \$326,384           | \$3,329,400         | \$12,348,676  | \$18,034,862  |  |
| Indirect Impact                              | \$233,675           | \$1,824,314         | \$2,830,903   | \$6,006,460   |  |
| Induced Impact                               | \$129,968           | \$1,087,726         | \$2,503,453   | \$4,388,287   |  |
| Total:                                       | \$690,027           | \$6,241,439         | \$17,683,032  | \$28,429,610  |  |
| Large Businesses: 100+ Employees             |                     |                     |               |               |  |
| Jurisdictions                                | County Taxes        | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                | \$451,580           | \$4,993,554         | \$22,848,443  | \$31,283,708  |  |
| Indirect Impact                              | \$394,013           | \$3,075,730         | \$4,768,762   | \$10,122,684  |  |
| Induced Impact                               | \$136,743           | \$1,260,705         | \$4,159,415   | \$6,333,335   |  |
| Total:                                       | \$982,336           | \$9,329,989         | \$31,776,619  | \$47,739,727  |  |

| Economic impac                   | t of Businesses in N | Iaple Heights       |               |               |  |
|----------------------------------|----------------------|---------------------|---------------|---------------|--|
| All Businesses                   |                      |                     |               |               |  |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                    | 4,033                | \$226,941,813       | \$325,700,817 | \$573,246,968 |  |
| Indirect Impact                  | 1,224                | \$78,500,440        | \$120,217,986 | \$237,134,117 |  |
| Induced Impact                   | 1,015                | \$57,001,227        | \$99,593,147  | \$173,376,020 |  |
| Total:                           | 6,271                | \$362,443,480       | \$545,511,950 | \$983,757,105 |  |
|                                  | Small-sized          | Businesses: 1 to 10 | Employees     |               |  |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                    | 1,504                | \$74,782,174        | \$94,324,740  | \$170,106,209 |  |
| Indirect Impact                  | 370                  | \$23,774,275        | \$37,253,269  | \$74,147,841  |  |
| Induced Impact                   | 330                  | \$18,517,131        | \$32,351,868  | \$56,319,439  |  |
| Total:                           | 2,203                | \$117,073,580       | \$163,929,877 | \$300,573,489 |  |
|                                  | Medium-size          | d Businesses: 11 to | 50 Employees  |               |  |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                    | 1,457                | \$85,449,037        | \$114,210,626 | \$196,352,680 |  |
| Indirect Impact                  | 375                  | \$24,060,387        | \$37,580,501  | \$74,045,808  |  |
| Induced Impact                   | 363                  | \$20,373,307        | \$35,596,873  | \$61,968,585  |  |
| Total:                           | 2,195                | \$129,882,731       | \$187,388,000 | \$332,367,072 |  |
|                                  | Larger-sized         | Businesses: 51 to 1 | 00 Employees  |               |  |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                    | 295                  | \$16,056,599        | \$18,304,344  | \$40,335,623  |  |
| Indirect Impact                  | 62                   | \$4,460,875         | \$7,213,041   | \$14,284,471  |  |
| Induced Impact                   | 69                   | \$3,881,321         | \$6,781,081   | \$11,804,775  |  |
| Total:                           | 426                  | \$24,398,794        | \$32,298,466  | \$66,424,868  |  |
| Large Businesses: 100+ Employees |                      |                     |               |               |  |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                    | 777                  | \$50,654,004        | \$98,861,108  | \$166,452,457 |  |
| Indirect Impact                  | 416                  | \$26,204,903        | \$38,171,176  | \$74,655,998  |  |
| Induced Impact                   | 253                  | \$14,229,468        | \$24,863,325  | \$43,283,221  |  |
| Total:                           | 1,446                | \$91,088,375        | \$161,895,608 | \$284,391,675 |  |

| Fiscal impact of Businesses in Maple Heights |              |                     |               |               |
|--|--------------|---------------------|---------------|---------------|
|  |              | All Businesses      |               |               |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                                | \$4,342,616  | \$32,396,998        | \$29,726,839  | \$86,132,241  |
| Indirect Impact                              | \$591,041    | \$5,095,418         | \$13,179,494  | \$21,985,947  |
| Induced Impact                               | \$750,298    | \$5,857,126         | \$9,083,174   | \$19,278,650  |
| Total:                                       | \$5,683,955  | \$43,349,542        | \$51,989,507  | \$127,396,839 |
|  | Small-sized  | Businesses: 1 to 10 | ) Employees   |               |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                                | \$896,431    | \$7,094,170         | \$10,722,662  | \$23,019,154  |
| Indirect Impact                              | \$163,172    | \$1,436,461         | \$4,063,421   | \$6,544,595   |
| Induced Impact                               | \$243,686    | \$1,902,368         | \$2,950,804   | \$6,262,241   |
| Total:                                       | \$1,303,290  | \$10,432,999        | \$17,736,888  | \$35,825,990  |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |               |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                                | \$1,174,485  | \$9,102,757         | \$12,219,219  | \$28,015,549  |
| Indirect Impact                              | \$212,858    | \$1,774,989         | \$3,974,102   | \$7,048,454   |
| Induced Impact                               | \$268,185    | \$2,093,546         | \$3,246,471   | \$6,890,700   |
| Total:                                       | \$1,655,529  | \$12,971,292        | \$19,439,792  | \$41,954,703  |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                                | \$7,851      | \$285,734           | \$2,764,658   | \$3,232,608   |
| Indirect Impact                              | \$50,755     | \$404,818           | \$714,895     | \$1,417,940   |
| Induced Impact                               | \$51,075     | \$398,726           | \$618,515     | \$1,312,575   |
| Total:                                       | \$109,681    | \$1,089,278         | \$4,098,069   | \$5,963,123   |
| Large Businesses: 100+ Employees             |              |                     |               |               |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                                | \$2,263,848  | \$15,914,337        | \$4,020,299   | \$31,864,930  |
| Indirect Impact                              | \$164,256    | \$1,479,150         | \$4,427,076   | \$6,974,958   |
| Induced Impact                               | \$187,352    | \$1,462,486         | \$2,267,384   | \$4,813,134   |
| Total:                                       | \$2,615,456  | \$18,855,974        | \$10,714,759  | \$43,653,023  |

| Economic impact of Businesses in Newburgh Heights |              |                     |               |               |  |
|---|--------------|---------------------|---------------|---------------|--|
| All Businesses                                    |              |                     |               |               |  |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                     | 1,571        | \$66,839,901        | \$148,975,008 | \$419,861,732 |  |
| Indirect Impact                                   | 476          | \$35,303,539        | \$58,803,094  | \$114,186,071 |  |
| Induced Impact                                    | 335          | \$18,834,817        | \$32,910,666  | \$57,292,419  |  |
| Total:  | 2,382        | \$120,978,256       | \$240,688,768 | \$591,340,223 |  |
|   | Small-sized  | Businesses: 1 to 10 | Employees     |               |  |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                     | 191          | \$10,813,714        | \$24,973,180  | \$71,690,356  |  |
| Indirect Impact                                   | 83           | \$6,130,568         | \$9,967,441   | \$19,713,176  |  |
| Induced Impact                                    | 56           | \$3,151,953         | \$5,507,291   | \$9,587,336   |  |
| Total:  | 330          | \$20,096,235        | \$40,447,911  | \$100,990,868 |  |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |               |  |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                     | 295          | \$18,026,832        | \$32,816,887  | \$81,864,602  |  |
| Indirect Impact                                   | 90           | \$6,622,894         | \$10,770,325  | \$21,348,282  |  |
| Induced Impact                                    | 83           | \$4,635,581         | \$8,099,192   | \$14,099,412  |  |
| Total:  | 468          | \$29,285,308        | \$51,686,404  | \$117,312,296 |  |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |  |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                     | 385          | \$23,513,143        | \$54,914,204  | \$152,564,019 |  |
| Indirect Impact                                   | 156          | \$11,802,012        | \$19,354,814  | \$37,955,002  |  |
| Induced Impact                                    | 114          | \$6,409,291         | \$11,199,918  | \$19,497,380  |  |
| Total:  | 655          | \$41,724,447        | \$85,468,937  | \$210,016,401 |  |
| Large Businesses: 100+ Employees                  |              |                     |               |               |  |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output        |  |
| Direct Impact                                     | 700          | \$14,486,211        | \$36,270,737  | \$113,742,755 |  |
| Indirect Impact                                   | 148          | \$10,748,064        | \$18,710,513  | \$35,169,611  |  |
| Induced Impact                                    | 83           | \$4,637,992         | \$8,104,266   | \$14,108,291  |  |
| Total:  | 930          | \$29,872,267        | \$63,085,516  | \$163,020,657 |  |

| Fiscal impact of Businesses in Newburgh Heights |              |                     |               |              |  |
|---|--------------|---------------------|---------------|--------------|--|
|   |              | All Businesses      |               |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$433,840    | \$3,859,838         | \$13,230,942  | \$19,945,485 |  |
| Indirect Impact                                 | \$506,308    | \$3,904,574         | \$5,420,420   | \$12,215,185 |  |
| Induced Impact                                  | \$248,000    | \$1,935,903         | \$3,001,198   | \$6,371,027  |  |
| Total:  | \$1,188,148  | \$9,700,314         | \$21,652,559  | \$38,531,697 |  |
|   | Small-sized  | Businesses: 1 to 10 | ) Employees   |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$101,254    | \$834,589           | \$2,073,128   | \$3,530,133  |  |
| Indirect Impact                                 | \$81,755     | \$636,547           | \$950,186     | \$2,056,965  |  |
| Induced Impact                                  | \$41,495     | \$323,916           | \$502,255     | \$1,066,096  |  |
| Total:  | \$224,504    | \$1,795,053         | \$3,525,568   | \$6,653,194  |  |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$99,136     | \$926,418           | \$3,317,484   | \$4,920,629  |  |
| Indirect Impact                                 | \$92,223     | \$713,949           | \$1,015,375   | \$2,257,158  |  |
| Induced Impact                                  | \$61,012     | \$476,292           | \$738,691     | \$1,567,769  |  |
| Total:  | \$252,371    | \$2,116,659         | \$5,071,549   | \$8,745,556  |  |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$162,247    | \$1,416,855         | \$4,747,442   | \$7,213,229  |  |
| Indirect Impact                                 | \$166,794    | \$1,288,514         | \$1,808,983   | \$4,050,477  |  |
| Induced Impact                                  | \$84,419     | \$658,950           | \$1,021,229   | \$2,168,268  |  |
| Total:  | \$413,461    | \$3,364,319         | \$7,577,654   | \$13,431,974 |  |
| Large Businesses: 100+ Employees                |              |                     |               |              |  |
| Jurisdictions                                   | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                   | \$71,203     | \$681,975           | \$3,092,889   | \$4,281,494  |  |
| Indirect Impact                                 | \$165,536    | \$1,265,564         | \$1,645,877   | \$3,850,586  |  |
| Induced Impact                                  | \$61,075     | \$476,745           | \$739,022     | \$1,568,894  |  |
| Total:  | \$297,813    | \$2,424,284         | \$5,477,788   | \$9,700,974  |  |

| Economic impac                   | t of Businesses in P | arma                |                 |                 |
|----------------------------------|----------------------|---------------------|-----------------|-----------------|
|                                  |                      | All Businesses      |                 |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added     | Output          |
| Direct Impact                    | 11,037               | \$595,815,545       | \$698,289,518   | \$1,248,132,661 |
| Indirect Impact                  | 2,725                | \$171,451,855       | \$265,279,882   | \$531,193,544   |
| Induced Impact                   | 2,517                | \$141,432,841       | \$247,117,485   | \$430,192,959   |
| Total:                           | 16,279               | \$908,700,241       | \$1,210,686,884 | \$2,209,519,164 |
|                                  | Small-sized          | Businesses: 1 to 10 | Employees       |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added     | Output          |
| Direct Impact                    | 2,755                | \$153,797,813       | \$179,524,333   | \$349,383,783   |
| Indirect Impact                  | 813                  | \$52,047,891        | \$82,059,838    | \$161,205,382   |
| Induced Impact                   | 683                  | \$38,352,893        | \$67,008,510    | \$116,651,175   |
| Total:                           | 4,250                | \$244,198,597       | \$328,592,682   | \$627,240,340   |
|                                  | Medium-size          | d Businesses: 11 to | 50 Employees    |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added     | Output          |
| Direct Impact                    | 2,857                | \$120,914,482       | \$160,178,902   | \$279,602,383   |
| Indirect Impact                  | 652                  | \$39,848,311        | \$61,824,798    | \$125,513,267   |
| Induced Impact                   | 538                  | \$30,224,621        | \$52,807,334    | \$91,929,192    |
| Total:                           | 4,047                | \$190,987,413       | \$274,811,033   | \$497,044,842   |
|                                  | Larger-sized         | Businesses: 51 to 1 | 00 Employees    |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added     | Output          |
| Direct Impact                    | 1,012                | \$44,266,924        | \$52,945,429    | \$98,522,936    |
| Indirect Impact                  | 217                  | \$13,643,640        | \$21,019,636    | \$43,459,524    |
| Induced Impact                   | 193                  | \$10,838,753        | \$18,936,992    | \$32,966,296    |
| Total:                           | 1,422                | \$68,749,317        | \$92,902,057    | \$174,948,756   |
| Large Businesses: 100+ Employees |                      |                     |                 |                 |
| Impacts                          | Employment           | Local Earnings      | Value-added     | Output          |
| Direct Impact                    | 4,413                | \$276,836,327       | \$305,640,853   | \$520,623,559   |
| Indirect Impact                  | 1,043                | \$65,912,013        | \$100,375,610   | \$201,015,371   |
| Induced Impact                   | 1,104                | \$62,016,574        | \$108,364,648   | \$188,646,296   |
| Total:                           | 6,559                | \$404,764,914       | \$514,381,112   | \$910,285,226   |

| Fiscal impact of I               | Businesses in |                     |               |               |
|----------------------------------|---------------|---------------------|---------------|---------------|
| Parma                            |               | All Businesses      |               |               |
| Jurisdictions                    | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                    | \$6,819,369   | \$54,185,984        | \$84,716,013  | \$178,446,434 |
| Indirect Impact                  | \$1,058,769   | \$9,566,389         | \$29,480,424  | \$45,980,039  |
| Induced Impact                   | \$1,861,819   | \$14,533,928        | \$22,537,114  | \$47,836,286  |
| Total:                           | \$9,739,957   | \$78,286,301        | \$136,733,551 | \$272,262,759 |
|                                  | Small-sized   | Businesses: 1 to 10 | ) Employees   |               |
| Jurisdictions                    | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                    | \$1,321,482   | \$11,063,897        | \$22,899,603  | \$41,983,323  |
| Indirect Impact                  | \$333,910     | \$2,987,903         | \$8,969,188   | \$14,127,172  |
| Induced Impact                   | \$504,760     | \$3,940,433         | \$6,111,680   | \$12,970,767  |
| Total:                           | \$2,160,152   | \$17,992,234        | \$37,980,471  | \$69,081,262  |
|                                  | Medium-sized  | Businesses: 11 to   | 50 Employees  | •             |
| Jurisdictions                    | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                    | \$2,427,326   | \$18,037,614        | \$15,003,349  | \$46,405,620  |
| Indirect Impact                  | \$272,896     | \$2,403,477         | \$6,794,482   | \$10,944,662  |
| Induced Impact                   | \$397,791     | \$3,105,368         | \$4,816,397   | \$10,221,891  |
| Total:                           | \$3,098,012   | \$23,546,458        | \$26,614,228  | \$67,572,174  |
|                                  | Larger-sized  | Businesses: 51 to 1 | 00 Employees  | •             |
| Jurisdictions                    | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                    | \$678,490     | \$5,189,003         | \$5,833,248   | \$14,842,149  |
| Indirect Impact                  | \$91,745      | \$811,632           | \$2,323,603   | \$3,724,683   |
| Induced Impact                   | \$142,648     | \$1,113,588         | \$1,727,197   | \$3,665,613   |
| Total:                           | \$912,882     | \$7,114,223         | \$9,884,048   | \$22,232,444  |
| Large Businesses: 100+ Employees |               |                     |               |               |
| Jurisdictions                    | County Taxes  | State Taxes         | Federal Taxes | Total Taxes   |
| Direct Impact                    | \$2,392,072   | \$19,895,471        | \$40,979,812  | \$75,215,342  |
| Indirect Impact                  | \$360,218     | \$3,363,377         | \$11,393,152  | \$17,183,522  |
| Induced Impact                   | \$816,621     | \$6,374,539         | \$9,881,840   | \$20,978,014  |
| Total:                           | \$3,568,911   | \$29,633,386        | \$62,254,805  | \$113,376,879 |

| Economic impact of Businesses in Parma Heights |              |                     |               |               |
|--|--------------|---------------------|---------------|---------------|
|  |              | All Businesses      |               |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 2,309        | \$121,330,805       | \$147,817,142 | \$284,893,401 |
| Indirect Impact                                | 660          | \$40,874,356        | \$62,507,262  | \$121,910,125 |
| Induced Impact                                 | 534          | \$30,007,090        | \$52,429,324  | \$91,271,249  |
| Total:   | 3,503        | \$192,212,251       | \$262,753,728 | \$498,074,776 |
|  | Small-sized  | Businesses: 1 to 10 | Employees     |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 972          | \$48,425,966        | \$57,947,376  | \$112,059,016 |
| Indirect Impact                                | 267          | \$16,946,707        | \$26,856,653  | \$53,230,589  |
| Induced Impact                                 | 218          | \$12,249,239        | \$21,401,020  | \$37,255,760  |
| Total:   | 1,457        | \$77,621,912        | \$106,205,049 | \$202,545,364 |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 716          | \$34,976,970        | \$41,502,513  | \$65,760,624  |
| Indirect Impact                                | 129          | \$7,874,796         | \$12,162,355  | \$24,882,025  |
| Induced Impact                                 | 141          | \$7,949,353         | \$13,889,337  | \$24,179,161  |
| Total:   | 986          | \$50,801,119        | \$67,554,205  | \$114,821,810 |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 71           | \$2,424,763         | \$3,816,528   | \$6,249,111   |
| Indirect Impact                                | 16           | \$1,040,411         | \$1,501,508   | \$2,982,543   |
| Induced Impact                                 | 11           | \$625,814           | \$1,093,580   | \$1,903,759   |
| Total:   | 98           | \$4,090,987         | \$6,411,616   | \$11,135,413  |
| Large Businesses: 100+ Employees               |              |                     |               |               |
| Impacts  | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                  | 550          | \$35,503,107        | \$44,550,724  | \$100,824,651 |
| Indirect Impact                                | 248          | \$15,012,442        | \$21,986,746  | \$40,814,969  |
| Induced Impact                                 | 163          | \$9,182,684         | \$16,045,387  | \$27,932,570  |
| Total:   | 962          | \$59,698,233        | \$82,582,858  | \$169,572,189 |

| Fiscal impact of Businesses in Parma Heights |              |                     |               |              |  |
|--|--------------|---------------------|---------------|--------------|--|
| All Businesses                               |              |                     |               |              |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                | \$1,908,064  | \$14,525,245        | \$16,007,533  | \$41,223,709 |  |
| Indirect Impact                              | \$305,484    | \$2,638,030         | \$6,849,115   | \$11,408,763 |  |
| Induced Impact                               | \$395,001    | \$3,083,508         | \$4,781,606   | \$10,149,060 |  |
| Total:                                       | \$2,608,549  | \$20,246,783        | \$27,638,254  | \$62,781,531 |  |
|  | Small-sized  | Businesses: 1 to 10 | Employees     |              |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                | \$490,491    | \$3,987,528         | \$7,055,189   | \$13,950,839 |  |
| Indirect Impact                              | \$106,425    | \$957,363           | \$2,933,233   | \$4,585,597  |  |
| Induced Impact                               | \$161,200    | \$1,258,429         | \$1,951,983   | \$4,142,520  |  |
| Total:                                       | \$758,115    | \$6,203,320         | \$11,940,405  | \$22,678,956 |  |
|  | Medium-size  | d Businesses: 11 to | 50 Employees  |              |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                | \$434,172    | \$3,411,968         | \$4,924,597   | \$10,832,905 |  |
| Indirect Impact                              | \$54,418     | \$478,316           | \$1,337,490   | \$2,163,534  |  |
| Induced Impact                               | \$104,641    | \$816,865           | \$1,266,725   | \$2,688,639  |  |
| Total:                                       | \$593,231    | \$4,707,149         | \$7,528,812   | \$15,685,078 |  |
|  | Larger-sized | Businesses: 51 to 1 | 00 Employees  |              |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                | \$120,341    | \$841,310           | \$124,350     | \$1,595,080  |  |
| Indirect Impact                              | \$5,881      | \$54,292            | \$177,731     | \$271,018    |  |
| Induced Impact                               | \$8,243      | \$64,341            | \$99,714      | \$211,714    |  |
| Total:                                       | \$134,465    | \$959,943           | \$401,796     | \$2,077,812  |  |
| Large Businesses: 100+ Employees             |              |                     |               |              |  |
| Jurisdictions                                | County Taxes | State Taxes         | Federal Taxes | Total Taxes  |  |
| Direct Impact                                | \$863,061    | \$6,284,439         | \$3,903,397   | \$14,844,884 |  |
| Indirect Impact                              | \$138,760    | \$1,148,058         | \$2,400,660   | \$4,388,614  |  |
| Induced Impact                               | \$120,917    | \$943,873           | \$1,463,185   | \$3,106,187  |  |
| Total:                                       | \$1,122,737  | \$8,376,370         | \$7,767,242   | \$22,339,685 |  |

| Economic impact of Businesses in Shaker Heights |              |                     |               |                 |
|---|--------------|---------------------|---------------|-----------------|
|   |              | All Businesses      |               |                 |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output          |
| Direct Impact                                   | 10,562       | \$414,872,120       | \$470,377,490 | \$789,401,032   |
| Indirect Impact                                 | 1,687        | \$104,295,974       | \$165,173,895 | \$358,127,490   |
| Induced Impact                                  | 1,808        | \$101,469,938       | \$177,253,678 | \$308,568,859   |
| Total:  | 14,057       | \$620,638,031       | \$812,805,063 | \$1,456,097,381 |
|   | Small-sized  | Businesses: 1 to 10 | Employees     |                 |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output          |
| Direct Impact                                   | 1,746        | \$85,071,902        | \$105,285,099 | \$201,156,638   |
| Indirect Impact                                 | 477          | \$30,505,858        | \$48,403,131  | \$96,139,127    |
| Induced Impact                                  | 387          | \$21,759,609        | \$38,016,234  | \$66,180,161    |
| Total:  | 2,610        | \$137,337,368       | \$191,704,465 | \$363,475,925   |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |                 |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output          |
| Direct Impact                                   | 1,637        | \$74,731,004        | \$93,830,034  | \$176,624,875   |
| Indirect Impact                                 | 431          | \$26,829,112        | \$42,556,311  | \$85,291,589    |
| Induced Impact                                  | 339          | \$19,040,237        | \$33,266,014  | \$57,910,833    |
| Total:  | 2,407        | \$120,600,353       | \$169,652,359 | \$319,827,296   |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |                 |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output          |
| Direct Impact                                   | 528          | \$20,760,597        | \$25,410,846  | \$37,019,497    |
| Indirect Impact                                 | 71           | \$3,985,903         | \$6,323,062   | \$14,084,870    |
| Induced Impact                                  | 85           | \$4,784,796         | \$8,359,034   | \$14,551,709    |
| Total:  | 685          | \$29,531,296        | \$40,092,942  | \$65,656,077    |
| Large Businesses: 100+ Employees                |              |                     |               |                 |
| Impacts   | Employment   | Local Earnings      | Value-added   | Output          |
| Direct Impact                                   | 6,651        | \$234,308,617       | \$245,851,511 | \$374,600,022   |
| Indirect Impact                                 | 708          | \$42,975,101        | \$67,891,390  | \$162,611,905   |
| Induced Impact                                  | 996          | \$55,885,296        | \$97,612,396  | \$169,926,156   |
| Total:  | 8,355        | \$333,169,015       | \$411,355,298 | \$707,138,083   |

| Fiscal impact of Businesses in Shaker Heights |              |                     |               |               |  |
|---|--------------|---------------------|---------------|---------------|--|
| All Businesses                                |              |                     |               |               |  |
| Jurisdictions                                 | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                 | \$3,613,195  | \$30,453,123        | \$60,438,932  | \$113,095,916 |  |
| Indirect Impact                               | \$672,841    | \$6,017,024         | \$17,975,716  | \$28,366,383  |  |
| Induced Impact                                | \$1,334,367  | \$10,417,956        | \$16,171,481  | \$34,305,812  |  |
| Total:  | \$5,620,404  | \$46,888,103        | \$94,586,129  | \$175,768,111 |  |
|   | Small-sized  | Businesses: 1 to 10 | Employees     |               |  |
| Jurisdictions                                 | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                 | \$856,830    | \$6,978,839         | \$12,513,225  | \$24,588,916  |  |
| Indirect Impact                               | \$187,064    | \$1,693,187         | \$5,296,166   | \$8,217,774   |  |
| Induced Impact                                | \$286,334    | \$2,235,326         | \$3,467,551   | \$7,358,563   |  |
| Total:  | \$1,330,228  | \$10,907,351        | \$21,276,942  | \$40,165,253  |  |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |               |  |
| Jurisdictions                                 | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                 | \$930,696    | \$7,321,103         | \$10,598,455  | \$23,291,678  |  |
| Indirect Impact                               | \$159,220    | \$1,453,626         | \$4,671,735   | \$7,179,010   |  |
| Induced Impact                                | \$250,578    | \$1,956,160         | \$3,034,151   | \$6,439,224   |  |
| Total:  | \$1,340,495  | \$10,730,889        | \$18,304,341  | \$36,909,912  |  |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |  |
| Jurisdictions                                 | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                 | \$270,964    | \$2,126,101         | \$2,908,111   | \$6,597,595   |  |
| Indirect Impact                               | \$30,487     | \$262,107           | \$674,339     | \$1,127,836   |  |
| Induced Impact                                | \$62,946     | \$491,417           | \$762,522     | \$1,617,925   |  |
| Total:  | \$364,397    | \$2,879,625         | \$4,344,972   | \$9,343,356   |  |
| Large Businesses: 100+ Employees              |              |                     |               |               |  |
| Jurisdictions                                 | County Taxes | State Taxes         | Federal Taxes | Total Taxes   |  |
| Direct Impact                                 | \$1,554,705  | \$14,027,080        | \$34,419,140  | \$58,617,727  |  |
| Indirect Impact                               | \$296,070    | \$2,608,104         | \$7,333,476   | \$11,841,763  |  |
| Induced Impact                                | \$734,510    | \$5,735,054         | \$8,907,257   | \$18,890,101  |  |
| Total:  | \$2,585,285  | \$22,370,237        | \$50,659,874  | \$89,349,591  |  |

| Economic impact of Businesses in South Euclid |              |                     |               |               |
|---|--------------|---------------------|---------------|---------------|
|   |              | All Businesses      |               |               |
| Impacts                                       | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                 | 2,545        | \$104,817,491       | \$144,433,538 | \$247,730,087 |
| Indirect Impact                               | 599          | \$37,442,168        | \$56,750,083  | \$113,659,319 |
| Induced Impact                                | 469          | \$26,364,413        | \$46,065,378  | \$80,192,651  |
| Total:  | 3,614        | \$168,624,072       | \$247,249,000 | \$441,582,057 |
|   | Small-sized  | Businesses: 1 to 10 | Employees     |               |
| Impacts                                       | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                 | 833          | \$39,594,610        | \$47,758,653  | \$88,401,010  |
| Indirect Impact                               | 207          | \$13,163,180        | \$20,655,780  | \$41,166,222  |
| Induced Impact                                | 176          | \$9,893,645         | \$17,285,462  | \$30,091,228  |
| Total:  | 1,216        | \$62,651,436        | \$85,699,894  | \$159,658,460 |
|   | Medium-size  | d Businesses: 11 to | 50 Employees  |               |
| Impacts                                       | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                 | 763          | \$32,741,033        | \$45,791,036  | \$75,974,939  |
| Indirect Impact                               | 178          | \$10,564,775        | \$16,201,320  | \$32,861,858  |
| Induced Impact                                | 144          | \$8,100,854         | \$14,154,027  | \$24,639,945  |
| Total:  | 1,085        | \$51,406,663        | \$76,146,383  | \$133,476,742 |
|   | Larger-sized | Businesses: 51 to 1 | 00 Employees  |               |
| Impacts                                       | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                 | 229          | \$7,892,704         | \$12,181,026  | \$19,982,872  |
| Indirect Impact                               | 51           | \$3,163,567         | \$4,666,425   | \$9,385,738   |
| Induced Impact                                | 36           | \$2,023,634         | \$3,536,064   | \$6,155,751   |
| Total:  | 316          | \$13,079,906        | \$20,383,514  | \$35,524,361  |
| Large Businesses: 100+ Employees              |              |                     |               |               |
| Impacts                                       | Employment   | Local Earnings      | Value-added   | Output        |
| Direct Impact                                 | 720          | \$24,589,143        | \$38,702,824  | \$63,371,266  |
| Indirect Impact                               | 163          | \$10,550,645        | \$15,226,559  | \$30,245,501  |
| Induced Impact                                | 113          | \$6,346,279         | \$11,089,825  | \$19,305,727  |
| Total:  | 996          | \$41,486,067        | \$65,019,208  | \$112,922,494 |

| Fiscal impact of I               | Businesses in South | Euclid              |               |              |  |  |
|----------------------------------|---------------------|---------------------|---------------|--------------|--|--|
| All Businesses                   |                     |                     |               |              |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                    | \$2,870,865         | \$20,760,541        | \$11,073,231  | \$47,277,593 |  |  |
| Indirect Impact                  | \$237,497           | \$2,129,831         | \$6,399,138   | \$10,070,551 |  |  |
| Induced Impact                   | \$347,073           | \$2,709,345         | \$4,201,109   | \$8,917,261  |  |  |
| Total:                           | \$3,455,436         | \$25,599,716        | \$21,673,477  | \$66,265,405 |  |  |
|                                  | Small-sized         | Businesses: 1 to 10 | Employees     |              |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                    | \$493,103           | \$3,878,772         | \$5,522,813   | \$12,245,917 |  |  |
| Indirect Impact                  | \$83,249            | \$747,493           | \$2,270,181   | \$3,560,072  |  |  |
| Induced Impact                   | \$130,199           | \$1,016,420         | \$1,576,608   | \$3,345,881  |  |  |
| Total:                           | \$706,552           | \$5,642,685         | \$9,369,601   | \$19,151,870 |  |  |
|                                  | Medium-size         | d Businesses: 11 to | 50 Employees  |              |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                    | \$813,308           | \$5,929,609         | \$3,754,711   | \$14,091,516 |  |  |
| Indirect Impact                  | \$75,110            | \$655,749           | \$1,787,757   | \$2,920,239  |  |  |
| Induced Impact                   | \$106,635           | \$832,429           | \$1,290,867   | \$2,739,874  |  |  |
| Total:                           | \$995,053           | \$7,417,787         | \$6,833,336   | \$19,751,629 |  |  |
|                                  | Larger-sized        | Businesses: 51 to 1 | 00 Employees  |              |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                    | \$344,094           | \$2,420,567         | \$534,692     | \$4,764,696  |  |  |
| Indirect Impact                  | \$19,496            | \$176,020           | \$538,856     | \$841,890    |  |  |
| Induced Impact                   | \$26,649            | \$208,021           | \$322,446     | \$684,548    |  |  |
| Total:                           | \$390,240           | \$2,804,608         | \$1,395,994   | \$6,291,135  |  |  |
| Large Businesses: 100+ Employees |                     |                     |               |              |  |  |
| Jurisdictions                    | County Taxes        | State Taxes         | Federal Taxes | Total Taxes  |  |  |
| Direct Impact                    | \$1,220,360         | \$8,531,592         | \$1,261,014   | \$16,175,463 |  |  |
| Indirect Impact                  | \$59,642            | \$550,568           | \$1,802,344   | \$2,748,351  |  |  |
| Induced Impact                   | \$83,590            | \$652,476           | \$1,011,188   | \$2,146,957  |  |  |
| Total:                           | \$1,363,591         | \$9,734,636         | \$4,074,546   | \$21,070,771 |  |  |

| Economic impact                  | t of Businesses in U | Iniversity Heights  |               |               |
|----------------------------------|----------------------|---------------------|---------------|---------------|
|                                  |                      | All Businesses      |               |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 2,046                | \$89,996,819        | \$115,342,775 | \$183,901,172 |
| Indirect Impact                  | 393                  | \$24,619,226        | \$37,506,935  | \$76,776,949  |
| Induced Impact                   | 381                  | \$21,392,769        | \$37,377,318  | \$65,068,018  |
| Total:                           | 2,819                | \$136,008,814       | \$190,227,027 | \$325,746,139 |
|                                  | Small-sized          | Businesses: 1 to 10 | Employees     |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 523                  | \$27,193,263        | \$31,807,048  | \$58,987,289  |
| Indirect Impact                  | 134                  | \$8,454,090         | \$13,334,479  | \$26,742,836  |
| Induced Impact                   | 119                  | \$6,678,734         | \$11,668,559  | \$20,313,095  |
| Total:                           | 776                  | \$42,326,087        | \$56,810,086  | \$106,043,220 |
|                                  | Medium-size          | d Businesses: 11 to | 50 Employees  |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 536                  | \$24,210,539        | \$30,905,331  | \$46,449,748  |
| Indirect Impact                  | 92                   | \$5,473,193         | \$8,533,210   | \$17,879,854  |
| Induced Impact                   | 100                  | \$5,609,227         | \$9,800,085   | \$17,060,385  |
| Total:                           | 727                  | \$35,292,958        | \$49,238,625  | \$81,389,987  |
|                                  | Larger-sized         | Businesses: 51 to 1 | 00 Employees  |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 130                  | \$4,348,647         | \$4,491,581   | \$6,607,458   |
| Indirect Impact                  | 12                   | \$711,529           | \$1,139,952   | \$2,854,242   |
| Induced Impact                   | 19                   | \$1,037,532         | \$1,812,104   | \$3,154,552   |
| Total:                           | 160                  | \$6,097,708         | \$7,443,638   | \$12,616,252  |
| Large Businesses: 100+ Employees |                      |                     |               |               |
| Impacts                          | Employment           | Local Earnings      | Value-added   | Output        |
| Direct Impact                    | 857                  | \$34,244,369        | \$48,138,815  | \$71,856,677  |
| Indirect Impact                  | 155                  | \$9,980,414         | \$14,499,294  | \$29,300,018  |
| Induced Impact                   | 144                  | \$8,067,277         | \$14,096,569  | \$24,539,985  |
| Total:                           | 1,156                | \$52,292,060        | \$76,734,678  | \$125,696,680 |

| Fiscal impact of Businesses in University Heights |              |              |               |              |  |  |  |  |
|---|--------------|--------------|---------------|--------------|--|--|--|--|
| All Businesses                                    |              |              |               |              |  |  |  |  |
| Jurisdictions                                     | County Taxes | State Taxes  | Federal Taxes | Total Taxes  |  |  |  |  |
| Direct Impact                                     | \$1,683,516  | \$12,588,904 | \$11,344,167  | \$33,242,186 |  |  |  |  |
| Indirect Impact                                   | \$151,469    | \$1,369,290  | \$4,224,384   | \$6,584,390  |  |  |  |  |
| Induced Impact                                    | \$281,577    | \$2,198,116  | \$3,408,970   | \$7,235,221  |  |  |  |  |
| Total:  | \$2,116,562  | \$16,156,310 | \$18,977,521  | \$47,061,797 |  |  |  |  |
| Small-sized Businesses: 1 to 10 Employees         |              |              |               |              |  |  |  |  |
| Jurisdictions                                     | County Taxes | State Taxes  | Federal Taxes | Total Taxes  |  |  |  |  |
| Direct Impact                                     | \$214,332    | \$1,828,720  | \$4,102,252   | \$7,253,947  |  |  |  |  |
| Indirect Impact                                   | \$52,804     | \$475,818    | \$1,460,549   | \$2,281,755  |  |  |  |  |
| Induced Impact                                    | \$87,890     | \$686,127    | \$1,064,296   | \$2,258,632  |  |  |  |  |
| Total:  | \$355,026    | \$2,990,665  | \$6,627,097   | \$11,794,334 |  |  |  |  |
| Medium-sized Businesses: 11 to 50 Employees       |              |              |               |              |  |  |  |  |
| Jurisdictions                                     | County Taxes | State Taxes  | Federal Taxes | Total Taxes  |  |  |  |  |
| Direct Impact                                     | \$342,843    | \$2,652,241  | \$3,372,642   | \$7,976,794  |  |  |  |  |
| Indirect Impact                                   | \$36,035     | \$320,517    | \$938,332     | \$1,491,637  |  |  |  |  |
| Induced Impact                                    | \$73,819     | \$576,273    | \$893,859     | \$1,896,974  |  |  |  |  |
| Total:  | \$452,697    | \$3,549,032  | \$5,204,832   | \$11,365,405 |  |  |  |  |
| Larger-sized Businesses: 51 to 100 Employees      |              |              |               |              |  |  |  |  |
| Jurisdictions                                     | County Taxes | State Taxes  | Federal Taxes | Total Taxes  |  |  |  |  |
| Direct Impact                                     | \$22,521     | \$218,796    | \$651,357     | \$1,028,006  |  |  |  |  |
| Indirect Impact                                   | \$5,208      | \$45,262     | \$121,019     | \$199,344    |  |  |  |  |
| Induced Impact                                    | \$13,633     | \$106,448    | \$165,373     | \$350,664    |  |  |  |  |
| Total:  | \$41,362     | \$370,506    | \$937,749     | \$1,578,014  |  |  |  |  |
| Large Businesses: 100+ Employees                  |              |              |               |              |  |  |  |  |
| Jurisdictions                                     | County Taxes | State Taxes  | Federal Taxes | Total Taxes  |  |  |  |  |
| Direct Impact                                     | \$1,103,820  | \$7,889,146  | \$3,217,917   | \$16,983,438 |  |  |  |  |
| Indirect Impact                                   | \$57,422     | \$527,693    | \$1,704,484   | \$2,611,654  |  |  |  |  |
| Induced Impact                                    | \$106,236    | \$829,268    | \$1,285,442   | \$2,728,952  |  |  |  |  |
| Total:  | \$1,267,478  | \$9,246,106  | \$6,207,843   | \$22,324,044 |  |  |  |  |

| Economic impact of Businesses in Warrensville |            |                |               |               |  |  |  |
|---|------------|----------------|---------------|---------------|--|--|--|
| Heights All Businesses                        |            |                |               |               |  |  |  |
| Impacts                                       | Employment | Local Earnings | Value-added   | Output        |  |  |  |
| Direct Impact                                 | 3,459      | \$196,768,832  | \$223,393,717 | \$425,032,292 |  |  |  |
| Indirect Impact                               | 925        | \$58,950,767   | \$90,951,746  | \$182,785,134 |  |  |  |
| Induced Impact                                | 838        | \$47,092,323   | \$82,281,177  | \$143,238,654 |  |  |  |
| Total:  | 5,222      | \$302,811,922  | \$396,626,641 | \$751,056,080 |  |  |  |
| Small-sized Businesses: 1 to 10 Employees     |            |                |               |               |  |  |  |
| Impacts                                       | Employment | Local Earnings | Value-added   | Output        |  |  |  |
| Direct Impact                                 | 850        | \$51,814,427   | \$57,615,421  | \$109,762,578 |  |  |  |
| Indirect Impact                               | 243        | \$15,482,358   | \$24,063,563  | \$47,845,165  |  |  |  |
| Induced Impact                                | 220        | \$12,360,078   | \$21,596,005  | \$37,595,271  |  |  |  |
| Total:  | 1,313      | \$79,656,863   | \$103,274,989 | \$195,203,013 |  |  |  |
| Medium-sized Businesses: 11 to 50 Employees   |            |                |               |               |  |  |  |
| Impacts                                       | Employment | Local Earnings | Value-added   | Output        |  |  |  |
| Direct Impact                                 | 913        | \$46,375,976   | \$60,467,081  | \$104,780,625 |  |  |  |
| Indirect Impact                               | 228        | \$14,127,159   | \$21,757,467  | \$43,883,816  |  |  |  |
| Induced Impact                                | 202        | \$11,327,119   | \$19,790,487  | \$34,452,107  |  |  |  |
| Total:  | 1,343      | \$71,830,254   | \$102,015,035 | \$183,116,548 |  |  |  |
| Larger-sized Businesses: 51 to 100 Employees  |            |                |               |               |  |  |  |
| Impacts                                       | Employment | Local Earnings | Value-added   | Output        |  |  |  |
| Direct Impact                                 | 488        | \$19,342,422   | \$25,949,928  | \$43,710,632  |  |  |  |
| Indirect Impact                               | 105        | \$6,752,459    | \$9,951,951   | \$20,162,173  |  |  |  |
| Induced Impact                                | 85         | \$4,792,775    | \$8,374,379   | \$14,578,500  |  |  |  |
| Total:  | 679        | \$30,887,655   | \$44,276,259  | \$78,451,305  |  |  |  |
| Large Businesses: 100+ Employees              |            |                |               |               |  |  |  |
| Impacts                                       | Employment | Local Earnings | Value-added   | Output        |  |  |  |
| Direct Impact                                 | 1,208      | \$79,236,006   | \$79,361,286  | \$166,778,458 |  |  |  |
| Indirect Impact                               | 347        | \$22,588,791   | \$35,178,765  | \$70,893,980  |  |  |  |
| Induced Impact                                | 331        | \$18,612,352   | \$32,520,306  | \$56,612,776  |  |  |  |
| Total:  | 1,887      | \$120,437,149  | \$147,060,357 | \$294,285,214 |  |  |  |

| Fiscal impact of Businesses in Warrensville Heights |   |              |               |               |  |  |  |  |
|---|---|--------------|---------------|---------------|--|--|--|--|
| All Businesses                                      |   |              |               |               |  |  |  |  |
| Jurisdictions                                       | County Taxes                              | State Taxes  | Federal Taxes | Total Taxes   |  |  |  |  |
| Direct Impact                                       | \$3,577,302                               | \$28,450,125 | \$44,594,327  | \$93,808,265  |  |  |  |  |
| Indirect Impact                                     | \$599,747                                 | \$5,393,965  | \$16,325,687  | \$25,630,529  |  |  |  |  |
| Induced Impact                                      | \$994,794                                 | \$7,765,705  | \$12,042,400  | \$25,560,137  |  |  |  |  |
| Total:  | \$5,171,842                               | \$41,609,794 | \$72,962,414  | \$144,998,931 |  |  |  |  |
|   | Small-sized Businesses: 1 to 10 Employees |              |               |               |  |  |  |  |
| Jurisdictions                                       | County Taxes                              | State Taxes  | Federal Taxes | Total Taxes   |  |  |  |  |
| Direct Impact                                       | \$377,330                                 | \$3,260,644  | \$7,824,037   | \$13,426,237  |  |  |  |  |
| Indirect Impact                                     | \$92,457                                  | \$842,899    | \$2,671,461   | \$4,125,039   |  |  |  |  |
| Induced Impact                                      | \$162,706                                 | \$1,270,135  | \$1,969,563   | \$4,180,484   |  |  |  |  |
| Total:  | \$632,493                                 | \$5,373,678  | \$12,465,061  | \$21,731,759  |  |  |  |  |
| Medium-sized Businesses: 11 to 50 Employees         |   |              |               |               |  |  |  |  |
| Jurisdictions                                       | County Taxes                              | State Taxes  | Federal Taxes | Total Taxes   |  |  |  |  |
| Direct Impact                                       | \$742,841                                 | \$5,651,839  | \$6,243,706   | \$16,065,268  |  |  |  |  |
| Indirect Impact                                     | \$99,921                                  | \$873,733    | \$2,391,621   | \$3,900,908   |  |  |  |  |
| Induced Impact                                      | \$149,084                                 | \$1,163,822  | \$1,805,005   | \$3,830,863   |  |  |  |  |
| Total:  | \$991,846                                 | \$7,689,393  | \$10,440,333  | \$23,797,039  |  |  |  |  |
| Larger-sized Businesses: 51 to 100 Employees        |   |              |               |               |  |  |  |  |
| Jurisdictions                                       | County Taxes                              | State Taxes  | Federal Taxes | Total Taxes   |  |  |  |  |
| Direct Impact                                       | \$596,877                                 | \$4,278,648  | \$1,815,571   | \$9,279,873   |  |  |  |  |
| Indirect Impact                                     | \$38,327                                  | \$353,706    | \$1,157,231   | \$1,765,568   |  |  |  |  |
| Induced Impact                                      | \$63,100                                  | \$492,573    | \$763,707     | \$1,621,128   |  |  |  |  |
| Total:  | \$698,304                                 | \$5,124,927  | \$3,736,509   | \$12,666,569  |  |  |  |  |
| Large Businesses: 100+ Employees                    |   |              |               |               |  |  |  |  |
| Jurisdictions                                       | County Taxes                              | State Taxes  | Federal Taxes | Total Taxes   |  |  |  |  |
| Direct Impact                                       | \$1,860,254                               | \$15,258,994 | \$28,711,012  | \$55,036,887  |  |  |  |  |
| Indirect Impact                                     | \$369,041                                 | \$3,323,627  | \$10,105,374  | \$15,839,014  |  |  |  |  |
| Induced Impact                                      | \$619,903                                 | \$4,839,175  | \$7,504,125   | \$15,927,663  |  |  |  |  |
| Total:  | \$2,849,198                               | \$23,421,796 | \$46,320,511  | \$86,803,564  |  |  |  |  |