

# Impact of the Closure of DHS Facilities, 2011

Report to the Illinois Department of Human Services

Submitted by

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## Executive Summary

This report analyzes the current economic impact of the selected DHS (MH and DD) facilities on their respective regional economies (individual counties or aggregations of counties for metropolitan areas) in terms of employment income and production (the value of goods and services produced) as well as state income and sales taxes. An expanded input-output model, that captures the direct as well as the indirect and induced effects of any activity, was employed for this purpose. Table ES1 shows a summary of the estimated impacts of each of the two categories of facilities on the state's economy.

**Table ES1: Summary Total Impacts of Selected MH Facilities**

Employment	1218
Income	\$101 m
Production	\$134 m
State income taxes	\$0.7 m
State sales taxes	\$1.3 m

**Table ES1: Summary Total Impacts of Selected DD Facilities**

Employment	835
Income	\$50 m
Production	\$65 m
State income taxes	\$0.3 m
State sales taxes	\$0.6 m

To put these numbers in perspective, if the selected facilities were to be closed the total impact on the state's economy (direct, indirect and induced) would be equivalent to approximately 8% of the jobs lost in the state in the month of July, 2011. However, the magnitude of the economic impact would vary depending upon the size of the communities involved, accessibility to alternatives (in terms of both jobs and care) and the expected growth of other parts of the local economies in which the facilities are located.

Not considered in the analysis are (1) the impacts of funds provided to the communities for alternative care facilities, (2) the degree to which those employed in the facilities will remain within the local economies and seek alternative jobs and (3) any anticipated re-use of the facilities that may generate additional employment opportunities.

## Glossary of Terms

To assist the reader in the interpretation of the results, a brief introduction to impact analysis and a glossary of terms is provided in this section.

### **Linkages**

A regional economy like the one characterizing the Chicago Metropolitan area has several important features. First, sectors in a metropolitan economy are linked – some directly, others indirectly. For example, a sector producing automobile parts that are shipped to the final assembly line would represent a *direct linkage* between two sectors. Assume the automobile component supplier purchases some fabricated metals products from another supplier; this too represents a direct linkage. However, the fabricated metals producer has an *indirect linkage* to the automobile assembly producer. Although not directly dependent on automobile production, the fabricated metal producer is clearly indirectly dependent on the production levels of the assembler. Hence, while many sectors of the economy are linked directly, many if not more are linked indirectly. In short, no one is independent in the economic system.

### **Ripple or Multiplier Effects**

Consider the case just reviewed; assume automobile production increases. Now, the assembler will require more components: this will generate a direct effect – and a column in the tables in this report will indicate the size and sectoral composition of these direct effects. But we know that the impacts will not stop here; the component supplier will purchase more fabricated metal products, the fabricated metal producer will buy more steel, the steel producer will buy more iron ore or scrap and so forth. What we have described here are the multiple levels of the ripple effect – a direct change in one sector leads to expansion in other sectors of the economy. These sector-to-sector effects are referred to as *indirect effects* – and these too are shown in the summary tables.

During this whole process, firms need to purchase not only components and materials from other sectors, but they also have to pay wages and salaries to their employees. In turn, these employees will generate their own ripple effect. For example, an assembly line worker will use the extra income earned from overtime (assumed to occur to meet the additional demand) to take his/her

family to dinner. Part of this expenditure becomes income to the waiter; he spends the money at the dry cleaners and part of that expenditure is used by the owners of the dry cleaning business to buy lumber to renovate their house. Part of this expenditure will be used by employees in the lumber yard to enjoy an evening at the cinema – and so the process continues until the impact diminishes to zero. This part of the ripple effect is referred to as *induced income impacts*.

So we have direct effects and two types of indirect effects – one generated by industry-industry purchases and sales and one generated by expenditures by employees from wages and salaries. The summation of these impacts are revealed in the tables as *total impacts*. If the total impacts are divided by the direct impacts, we obtain the *ripple or multiplier effect*. Consider the employment multiplier of 1.5; the interpretation is as follows, for every direct job, an additional 0.5 jobs are generated through a combination of the indirect and induced impacts.

The closure of a facility in the Chicago metropolitan area will generate two types of impacts – a redistribution effect (associated with the redeployment of employees to other facilities in the metropolitan region) and a reduction in activity (associated with the relocation of employees outside the metropolitan region).

## 1 Introduction

This report attempts to assess the impacts closure of the selected DHS facilities, on the metropolitan and regional economies in which each of the facilities is located. The local economies are defined as individual counties or aggregations of counties in the case of metropolitan areas. The analysis attempts to document (1) the impact of the current operations on these economies and (2) the impacts on the specific community in which each facility is located. Closure of these operations will involve the following impacts:

1. Transfer of a subset of existing employees to other facilities within the state or to alternative community-based facilities that may or may not share the same characteristics as the state-run operations;
2. Redirection of non-wage and salary expenditures to employees and the impact generated by purchases of goods and services from non-state operated vendors, many of who may be located outside local economies in which the facilities are located.

In the first case, the net impact on the region will vary depending on (1) the size of the compensation provided to communities to offer alternative care facilities in comparison to the current levels of expenditures on both wages and salaries and goods and services purchased from vendors and (2) the degree to which existing employees opt to seek jobs in the new facilities. The major changes that may occur may result in a downsizing in the direct employment in the alternative facilities and the degree to which the occupational profile of the workforce in the new facilities mirrors that of the state-run operations.

## 2 Methodology

Almost all impact studies employ a form of model that assesses the direct and indirect impacts of any change in an activity on an economy. In this case, REAL used a combination of its own model for the Chicago region with a set of models generated from IMPLAN data for facilities located outside the Chicago region. All the models attempt to understand and interpret the way in which a direct effect (in this case the closure of the selected facilities) generates a ripple effect on a reference economy. This ripple effect will arise from (i) the expenditures of goods and

service by employees in the facilities and (ii) through the purchases of goods and services (including medical supplies, utilities, building maintenance etc).

### 3 Results

The economic impacts for the five facilities proposed for closure are shown in a series of tables following this narrative. The magnitude of the impacts will vary according to the size of the facility and the structure of the community or county in which the facility is located. If the local economy is relatively small, then a larger percentage of the ripple effects will occur in other parts of the state; hence, the size of the local multiplier or ripple effect will be smaller than that observed in a larger, more sophisticated economy (such as the Chicago region). While there may be greater employment opportunities in a larger region, specific openings for the kinds of skills presented by employees in these facilities may not be available; it is likely that the problems of finding alternative employment will be greater in smaller communities. A further issue stems from the ability of employees to relocate where the relocation would involve the sale of a house or similar property. Given the depressed state of the housing market in some communities, selling a house may prove to be as difficult as finding another job; in many downstate communities, time on the market averages more than one year.

Since the format of the tables is similar, an example analysis will be provided for just one, Chester. Consider the employment impacts; note that in the first column, 'Direct,' there is only one entry – the employment at the MH facility of 485 persons. Similar lone entries can be found in the 'Income' and 'Output' tables. As a result of the payment of wages and salaries to facility employees and the expenditures by the facility on goods and services to ensure the operation of the facility, the columns detail the path of the ripple effects. The 'Indirect' column shows the employment, income and output generated in supplier firms providing the goods and services to the facility. The 'Induced' column shows the impacts of wages and salaries paid to the facility employees and those in firms providing goods and services to the facility as they are spent and re-spent in the county or community. The final column 'Total' sums all these activities. Hence, the 485 direct jobs generate a further 97 jobs for a total impact of 581 jobs. Each job in the facility thus generates another 0.2 jobs elsewhere in the region of impact. In essence, these may be the aggregations of parts of many jobs – the check-out clerk at the grocery store, a bank teller, auto repair shop mechanic and so forth. About \$45M worth of income can be attributed to the facility.

At the end of each table is a summary, the multiplier, that describes the magnitude of the ripple effect. Note that these vary from one facility to another. At the end of the tables for the two

groupings, a summary set of tables is provided. For the selected MH facilities, 856 direct jobs generate a total of 1,218 jobs; for each job in the facility, a further 0.42 job is generated elsewhere in the region in which the facility is located. For the selected DD facilities, the comparable number are 615 direct jobs generated 835 jobs – here each job in a DD facility creates 0.36 jobs elsewhere.

## Mental Health Facilities

### CHESTER

#### EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	0	1
21 Mining	0	0	0	0
22 Utilities	0	1	0	1
23 Construction	0	1	0	1
31-33 Manufacturing	0	1	1	2
42 Wholesale Trade	0	2	1	3
44-45 Retail trade	0	1	14	15
48-49 Transportation & Warehousing	0	1	1	2
51 Information	0	1	1	2
52 Finance & insurance	0	6	4	10
53 Real estate & rental	0	1	1	2
54 Professional- scientific & tech svcs	0	2	1	3
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	2	0	2
61 Educational svcs	0	0	1	1
62 Health & social services	485	5	18	507
71 Arts- entertainment & recreation	0	0	1	1
72 Accommodation & food services	0	5	8	13
81 Other services	0	3	5	7
92 Government & non NAICs	0	5	3	8
<b>Total</b>	<b>485</b>	<b>38</b>	<b>59</b>	<b>581</b>
<b>Multiplier</b>	1.20			

#### LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$10,947	\$33,851	\$44,797
21 Mining	\$0	\$4,948	\$2,981	\$7,930
22 Utilities	\$0	\$169,373	\$132,108	\$301,481
23 Construction	\$0	\$53,862	\$17,812	\$71,674
31-33 Manufacturing	\$0	\$128,375	\$74,531	\$202,907
42 Wholesale Trade	\$0	\$217,323	\$140,164	\$357,487
44-45 Retail trade	\$0	\$93,321	\$987,685	\$1,081,006
48-49 Transportation & Warehousing	\$0	\$135,538	\$90,007	\$225,544
51 Information	\$0	\$99,310	\$50,338	\$149,649
52 Finance & insurance	\$0	\$573,149	\$404,354	\$977,503
53 Real estate & rental	\$0	\$67,361	\$39,703	\$107,063
54 Professional- scientific & tech svcs	\$0	\$237,515	\$50,326	\$287,841
55 Management of companies	\$0	\$48,414	\$4,733	\$53,147
56 Administrative & waste services	\$0	\$178,816	\$23,557	\$202,372
61 Educational svcs	\$0	\$1,044	\$35,723	\$36,767
62 Health & social services	\$37,861,572	\$352,112	\$1,378,403	\$39,592,087
71 Arts- entertainment & recreation	\$0	\$6,731	\$24,906	\$31,637
72 Accommodation & food services	\$0	\$163,605	\$268,095	\$431,700
81 Other services	\$0	\$146,370	\$248,413	\$394,783
92 Government & non NAICs	\$0	\$615,696	\$324,544	\$940,239
<b>Total</b>	<b>\$37,861,572</b>	<b>\$3,303,810</b>	<b>\$4,332,232</b>	<b>\$45,497,615</b>
<b>Multiplier</b>	1.20			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$18,479	\$57,143	\$75,622
21 Mining	\$0	\$11,972	\$7,214	\$19,186
22 Utilities	\$0	\$407,506	\$317,848	\$725,354
23 Construction	\$0	\$74,324	\$24,578	\$98,902
31-33 Manufacturing	\$0	\$681,213	\$395,493	\$1,076,706
42 Wholesale Trade	\$0	\$275,655	\$177,786	\$453,441
44-45 Retail trade	\$0	\$83,264	\$881,244	\$964,508
48-49 Transportation & Warehousing	\$0	\$184,266	\$122,365	\$306,631
51 Information	\$0	\$226,573	\$114,845	\$341,418
52 Finance & insurance	\$0	\$1,205,257	\$850,304	\$2,055,561
53 Real estate & rental	\$0	\$1,906,849	\$1,123,907	\$3,030,756
54 Professional- scientific & tech svcs	\$0	\$244,525	\$51,811	\$296,336
55 Management of companies	\$0	\$52,896	\$5,171	\$58,067
56 Administrative & waste services	\$0	\$260,061	\$34,259	\$294,321
61 Educational svcs	\$0	\$902	\$30,872	\$31,774
62 Health & social services	\$41,857,072	\$389,271	\$1,523,864	\$43,770,207
71 Arts- entertainment & recreation	\$0	\$9,823	\$36,346	\$46,169
72 Accommodation & food services	\$0	\$268,920	\$440,672	\$709,592
81 Other services	\$0	\$177,382	\$301,047	\$478,430
92 Government & non NAICs	\$0	\$388,494	\$204,782	\$593,276
<b>Total</b>	<b>\$41,857,072</b>	<b>\$6,867,632</b>	<b>\$6,701,552</b>	<b>\$55,426,255</b>
<b>Multiplier</b>	1.32			

## SINGER

## EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	0	0
21 Mining	0	0	0	0
22 Utilities	0	0	0	0
23 Construction	0	0	0	1
31-33 Manufacturing	0	0	0	1
42 Wholesale Trade	0	2	2	4
44-45 Retail trade	0	1	16	16
48-49 Transportation & Warehousing	0	2	2	3
51 Information	0	1	1	2
52 Finance & insurance	0	4	5	9
53 Real estate & rental	0	3	4	7
54 Professional- scientific & tech svcs	0	5	2	7
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	9	3	12
61 Educational svcs	0	0	2	2
62 Health & social services	164	3	16	182
71 Arts- entertainment & recreation	0	0	2	2
72 Accommodation & food services	0	3	9	12
81 Other services	0	2	5	7
92 Government & non NAICs	0	2	2	4
<b>Total</b>	<b>164</b>	<b>38</b>	<b>70</b>	<b>272</b>
<b>Multiplier</b>	<b>1.66</b>			

## LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$212	\$1,296	\$1,508
21 Mining	\$0	\$13	\$15	\$28
22 Utilities	\$0	\$34,497	\$44,124	\$78,621
23 Construction	\$0	\$28,500	\$19,756	\$48,255
31-33 Manufacturing	\$0	\$51,901	\$49,419	\$101,320
42 Wholesale Trade	\$0	\$156,806	\$174,275	\$331,081
44-45 Retail trade	\$0	\$35,950	\$628,499	\$664,449
48-49 Transportation & Warehousing	\$0	\$95,602	\$107,264	\$202,867
51 Information	\$0	\$72,116	\$57,972	\$130,088
52 Finance & insurance	\$0	\$401,285	\$481,473	\$882,758
53 Real estate & rental	\$0	\$81,906	\$83,594	\$165,500
54 Professional- scientific & tech svcs	\$0	\$425,120	\$188,809	\$613,930
55 Management of companies	\$0	\$27,791	\$6,494	\$34,285
56 Administrative & waste services	\$0	\$450,733	\$137,853	\$588,586
61 Educational svcs	\$0	\$1,594	\$80,817	\$82,411
62 Health & social services	\$13,828,354	\$212,478	\$1,334,232	\$15,375,064
71 Arts- entertainment & recreation	\$0	\$8,483	\$41,999	\$50,482
72 Accommodation & food services	\$0	\$94,314	\$239,902	\$334,216
81 Other services	\$0	\$90,715	\$231,449	\$322,164
92 Government & non NAICs	\$0	\$165,094	\$141,389	\$306,483
<b>Total</b>	<b>\$13,828,354</b>	<b>\$2,435,109</b>	<b>\$4,050,633</b>	<b>\$20,314,096</b>
<b>Multiplier</b>	<b>1.47</b>			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$394	\$2,408	\$2,803
21 Mining	\$0	\$58	\$64	\$122
22 Utilities	\$0	\$173,074	\$221,375	\$394,449
23 Construction	\$0	\$44,090	\$30,563	\$74,653
31-33 Manufacturing	\$0	\$146,244	\$139,251	\$285,495
42 Wholesale Trade	\$0	\$237,818	\$264,312	\$502,130
44-45 Retail trade	\$0	\$40,649	\$710,667	\$751,317
48-49 Transportation & Warehousing	\$0	\$155,866	\$174,879	\$330,745
51 Information	\$0	\$190,161	\$152,866	\$343,027
52 Finance & insurance	\$0	\$846,210	\$1,015,307	\$1,861,518
53 Real estate & rental	\$0	\$1,135,908	\$1,159,324	\$2,295,232
54 Professional- scientific & tech svcs	\$0	\$541,114	\$240,326	\$781,439
55 Management of companies	\$0	\$37,081	\$8,665	\$45,747
56 Administrative & waste services	\$0	\$592,081	\$181,083	\$773,163
61 Educational svcs	\$0	\$1,965	\$99,656	\$101,621
62 Health & social services	\$16,490,794	\$253,387	\$1,591,118	\$18,335,300
71 Arts- entertainment & recreation	\$0	\$14,203	\$70,318	\$84,521
72 Accommodation & food services	\$0	\$170,948	\$434,833	\$605,782
81 Other services	\$0	\$108,107	\$275,825	\$383,932
92 Government & non NAICs	\$0	\$132,220	\$113,236	\$245,456
<b>Total</b>	<b>\$16,490,794</b>	<b>\$4,821,580</b>	<b>\$6,886,076</b>	<b>\$28,198,451</b>
<b>Multiplier</b>	1.71			

## TINLEY PARK

### EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	0	0
21 Mining	0	0	0	0
22 Utilities	0	0	0	0
23 Construction	0	0	0	1
31-33 Manufacturing	0	2	2	4
42 Wholesale Trade	0	2	3	5
44-45 Retail trade	0	1	18	18
48-49 Transportation & Warehousing	0	2	2	4
51 Information	0	2	2	3
52 Finance & insurance	0	6	8	14
53 Real estate & rental	0	6	8	14
54 Professional- scientific & tech svcs	0	8	4	12
55 Management of companies	0	2	1	2
56 Administrative & waste services	0	14	6	20
61 Educational svcs	0	0	5	5
62 Health & social services	207	3	22	232
71 Arts- entertainment & recreation	0	1	3	4
72 Accommodation & food services	0	3	10	13
81 Other services	0	2	6	8
92 Government & non NAICs	0	2	3	5
<b>Total</b>	<b>207</b>	<b>54</b>	<b>104</b>	<b>365</b>
<b>Multiplier</b>	<b>1.76</b>			

### LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$1,340	\$5,087	\$6,427
21 Mining	\$0	\$14,888	\$19,710	\$34,598
22 Utilities	\$0	\$50,643	\$79,169	\$129,812
23 Construction	\$0	\$50,142	\$46,768	\$96,910
31-33 Manufacturing	\$0	\$241,583	\$312,537	\$554,120
42 Wholesale Trade	\$0	\$342,468	\$464,288	\$806,756
44-45 Retail trade	\$0	\$46,610	\$1,014,054	\$1,060,664
48-49 Transportation & Warehousing	\$0	\$184,101	\$257,495	\$441,596
51 Information	\$0	\$267,464	\$284,895	\$552,359
52 Finance & insurance	\$0	\$849,031	\$1,270,159	\$2,119,190
53 Real estate & rental	\$0	\$252,163	\$326,434	\$578,597
54 Professional- scientific & tech svcs	\$0	\$1,247,146	\$739,479	\$1,986,624
55 Management of companies	\$0	\$410,652	\$147,162	\$557,814
56 Administrative & waste services	\$0	\$880,303	\$373,867	\$1,254,169
61 Educational svcs	\$0	\$6,128	\$393,387	\$399,515
62 Health & social services	\$19,808,945	\$265,538	\$2,103,137	\$22,177,615
71 Arts- entertainment & recreation	\$0	\$29,822	\$157,813	\$187,635
72 Accommodation & food services	\$0	\$154,912	\$477,554	\$632,466
81 Other services	\$0	\$161,910	\$484,471	\$646,381
92 Government & non NAICs	\$0	\$279,958	\$329,084	\$609,043
<b>Total</b>	<b>\$19,808,945</b>	<b>\$5,736,799</b>	<b>\$9,286,552</b>	<b>\$34,832,291</b>
<b>Multiplier</b>	<b>1.76</b>			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$1,959	\$7,440	\$9,399
21 Mining	\$0	\$40,096	\$53,085	\$93,181
22 Utilities	\$0	\$221,104	\$345,647	\$566,751
23 Construction	\$0	\$75,863	\$70,758	\$146,621
31-33 Manufacturing	\$0	\$816,731	\$1,056,611	\$1,873,342
42 Wholesale Trade	\$0	\$523,494	\$709,707	\$1,233,201
44-45 Retail trade	\$0	\$54,907	\$1,194,577	\$1,249,484
48-49 Transportation & Warehousing	\$0	\$319,967	\$447,527	\$767,494
51 Information	\$0	\$624,045	\$664,714	\$1,288,759
52 Finance & insurance	\$0	\$1,569,273	\$2,347,649	\$3,916,922
53 Real estate & rental	\$0	\$2,335,749	\$3,023,717	\$5,359,466
54 Professional- scientific & tech svcs	\$0	\$1,473,214	\$873,523	\$2,346,737
55 Management of companies	\$0	\$482,224	\$172,811	\$655,035
56 Administrative & waste services	\$0	\$1,062,255	\$451,142	\$1,513,397
61 Educational svcs	\$0	\$6,868	\$440,910	\$447,777
62 Health & social services	\$23,671,445	\$317,315	\$2,513,224	\$26,501,983
71 Arts- entertainment & recreation	\$0	\$45,928	\$243,036	\$288,964
72 Accommodation & food services	\$0	\$256,748	\$791,489	\$1,048,237
81 Other services	\$0	\$181,383	\$542,739	\$724,122
92 Government & non NAICs	\$0	\$225,457	\$265,020	\$490,477
<b>Total</b>	<b>\$23,671,445</b>	<b>\$10,634,580</b>	<b>\$16,215,325</b>	<b>\$50,521,350</b>
<b>Multiplier</b>		2.13		

## TOTAL

## EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	1	1
21 Mining	0	0	0	0
22 Utilities	0	1	1	2
23 Construction	0	1	1	2
31-33 Manufacturing	0	4	4	7
42 Wholesale Trade	0	6	6	12
44-45 Retail trade	0	3	47	50
48-49 Transportation & Warehousing	0	5	5	10
51 Information	0	4	3	7
52 Finance & insurance	0	16	18	34
53 Real estate & rental	0	11	12	23
54 Professional- scientific & tech svcs	0	15	7	22
55 Management of companies	0	2	1	3
56 Administrative & waste services	0	25	9	34
61 Educational svcs	0	0	8	8
62 Health & social services	856	10	55	921
71 Arts- entertainment & recreation	0	1	6	7
72 Accomodation & food services	0	11	26	38
81 Other services	0	7	16	22
92 Government & non NAICs	0	9	7	16
<b>Total</b>	<b>856</b>	<b>130</b>	<b>232</b>	<b>1218</b>
<b>Multiplier</b>	1.42			

## LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$12,499	\$40,234	\$52,733
21 Mining	\$0	\$19,849	\$22,706	\$42,555
22 Utilities	\$0	\$254,513	\$255,401	\$509,913
23 Construction	\$0	\$132,504	\$84,335	\$216,839
31-33 Manufacturing	\$0	\$421,859	\$436,488	\$858,347
42 Wholesale Trade	\$0	\$716,597	\$778,727	\$1,495,324
44-45 Retail trade	\$0	\$175,880	\$2,630,238	\$2,806,119
48-49 Transportation & Warehousing	\$0	\$415,241	\$454,766	\$870,007
51 Information	\$0	\$438,891	\$393,206	\$832,096
52 Finance & insurance	\$0	\$1,823,465	\$2,155,987	\$3,979,452
53 Real estate & rental	\$0	\$401,429	\$449,731	\$851,160
54 Professional- scientific & tech svcs	\$0	\$1,909,781	\$978,614	\$2,888,396
55 Management of companies	\$0	\$486,857	\$158,389	\$645,246
56 Administrative & waste services	\$0	\$1,509,851	\$535,276	\$2,045,127
61 Educational svcs	\$0	\$8,765	\$509,927	\$518,692
62 Health & social services	\$71,498,871	\$830,128	\$4,815,772	\$77,144,766
71 Arts- entertainment & recreation	\$0	\$45,037	\$224,717	\$269,754
72 Accomodation & food services	\$0	\$412,831	\$985,551	\$1,398,382
81 Other services	\$0	\$398,994	\$964,334	\$1,363,327
92 Government & non NAICs	\$0	\$1,060,748	\$795,017	\$1,855,765
<b>Total</b>	<b>\$71,498,871</b>	<b>\$11,475,718</b>	<b>\$17,669,418</b>	<b>\$100,644,002</b>
<b>Multiplier</b>	1.41			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$20,833	\$66,991	\$87,824
21 Mining	\$0	\$52,127	\$60,362	\$112,489
22 Utilities	\$0	\$801,684	\$884,870	\$1,686,554
23 Construction	\$0	\$194,277	\$125,899	\$320,176
31-33 Manufacturing	\$0	\$1,644,188	\$1,591,355	\$3,235,543
42 Wholesale Trade	\$0	\$1,036,967	\$1,151,805	\$2,188,772
44-45 Retail trade	\$0	\$178,821	\$2,786,488	\$2,965,308
48-49 Transportation & Warehousing	\$0	\$660,099	\$744,771	\$1,404,870
51 Information	\$0	\$1,040,778	\$932,425	\$1,973,204
52 Finance & insurance	\$0	\$3,620,741	\$4,213,260	\$7,834,001
53 Real estate & rental	\$0	\$5,378,505	\$5,306,948	\$10,685,454
54 Professional- scientific & tech svcs	\$0	\$2,258,853	\$1,165,660	\$3,424,513
55 Management of companies	\$0	\$572,202	\$186,647	\$758,849
56 Administrative & waste services	\$0	\$1,914,397	\$666,484	\$2,580,881
61 Educational svcs	\$0	\$9,735	\$571,437	\$581,172
62 Health & social services	\$82,019,311	\$959,972	\$5,628,206	\$88,607,490
71 Arts- entertainment & recreation	\$0	\$69,954	\$349,700	\$419,653
72 Accomodation & food services	\$0	\$696,616	\$1,666,994	\$2,363,610
81 Other services	\$0	\$466,872	\$1,119,611	\$1,586,484
92 Government & non NAICs	\$0	\$746,172	\$583,037	\$1,329,209
<b>Total</b>	<b>\$82,019,311</b>	<b>\$22,323,792</b>	<b>\$29,802,953</b>	<b>\$134,146,056</b>
<b>Multiplier</b>	1.64			

**DD Facilities****JACKSONVILLE****EMPLOYMENT**

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	0	0	0	1
21 Mining	0	0	0	0
22 Utilities	0	0	0	1
23 Construction	0	1	0	1
31-33 Manufacturing	0	2	1	3
42 Wholesale Trade	0	2	2	4
44-45 Retail trade	0	2	20	21
48-49 Transportation & Warehousing	0	2	1	3
51 Information	0	2	1	3
52 Finance & insurance	0	9	8	17
53 Real estate & rental	0	2	1	3
54 Professional- scientific & tech svcs	0	5	2	7
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	4	1	5
61 Educational svcs	0	0	4	4
62 Health & social services	441	6	29	476
71 Arts- entertainment & recreation	0	1	2	3
72 Accommodation & food services	0	7	14	21
81 Other services	0	3	7	10
92 Government & non NAICs	0	5	3	8
<b>Total</b>	<b>441</b>	<b>53</b>	<b>97</b>	<b>591</b>
<b>Multiplier</b>	1.34			

**LABOR INCOME**

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$17,461	\$36,178	\$53,639
21 Mining	\$0	\$109	\$82	\$191
22 Utilities	\$0	\$91,749	\$90,418	\$182,167
23 Construction	\$0	\$49,762	\$22,602	\$72,364
31-33 Manufacturing	\$0	\$162,406	\$123,620	\$286,026
42 Wholesale Trade	\$0	\$169,989	\$135,334	\$305,323
44-45 Retail trade	\$0	\$64,715	\$800,197	\$864,913
48-49 Transportation & Warehousing	\$0	\$116,917	\$96,465	\$213,381
51 Information	\$0	\$98,309	\$61,948	\$160,257
52 Finance & insurance	\$0	\$642,752	\$562,958	\$1,205,710
53 Real estate & rental	\$0	\$113,353	\$84,549	\$197,902
54 Professional- scientific & tech svcs	\$0	\$491,102	\$153,516	\$644,618
55 Management of companies	\$0	\$1,757	\$337	\$2,094
56 Administrative & waste services	\$0	\$276,685	\$56,095	\$332,780
61 Educational svcs	\$0	\$5,731	\$231,140	\$236,871
62 Health & social services	\$27,186,872	\$374,275	\$1,772,348	\$29,333,496
71 Arts- entertainment & recreation	\$0	\$13,961	\$57,516	\$71,476
72 Accommodation & food services	\$0	\$200,218	\$386,345	\$586,563
81 Other services	\$0	\$118,232	\$234,661	\$352,893
92 Government & non NAICs	\$0	\$373,173	\$233,392	\$606,565
<b>Total</b>	<b>\$27,186,872</b>	<b>\$3,382,656</b>	<b>\$5,139,700</b>	<b>\$35,709,229</b>
<b>Multiplier</b>	1.31			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$31,235	\$64,716	\$95,951
21 Mining	\$0	\$254	\$192	\$445
22 Utilities	\$0	\$234,118	\$230,720	\$464,838
23 Construction	\$0	\$74,762	\$33,957	\$108,719
31-33 Manufacturing	\$0	\$1,293,988	\$984,959	\$2,278,948
42 Wholesale Trade	\$0	\$231,895	\$184,620	\$416,515
44-45 Retail trade	\$0	\$64,251	\$794,459	\$858,710
48-49 Transportation & Warehousing	\$0	\$175,340	\$144,668	\$320,009
51 Information	\$0	\$254,896	\$160,621	\$415,517
52 Finance & insurance	\$0	\$1,431,751	\$1,254,008	\$2,685,759
53 Real estate & rental	\$0	\$1,494,286	\$1,114,566	\$2,608,852
54 Professional- scientific & tech svcs	\$0	\$495,074	\$154,758	\$649,832
55 Management of companies	\$0	\$2,140	\$410	\$2,550
56 Administrative & waste services	\$0	\$383,735	\$77,798	\$461,533
61 Educational svcs	\$0	\$6,465	\$260,741	\$267,206
62 Health & social services	\$31,054,572	\$427,521	\$2,024,489	\$33,506,582
71 Arts- entertainment & recreation	\$0	\$21,372	\$88,049	\$109,421
72 Accommodation & food services	\$0	\$322,606	\$622,507	\$945,113
81 Other services	\$0	\$138,822	\$275,528	\$414,349
92 Government & non NAICs	\$0	\$262,135	\$163,945	\$426,080
<b>Total</b>	<b>\$31,054,572</b>	<b>\$7,346,646</b>	<b>\$8,635,710</b>	<b>\$47,036,929</b>
<b>Multiplier</b>	1.51			

## MABLEY

## EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	0	0
21 Mining	0	0	0	0
22 Utilities	0	0	0	0
23 Construction	0	0	0	1
31-33 Manufacturing	0	0	0	1
42 Wholesale Trade	0	2	2	5
44-45 Retail trade	0	1	11	12
48-49 Transportation & Warehousing	0	1	1	1
51 Information	0	1	0	1
52 Finance & insurance	0	2	2	4
53 Real estate & rental	0	2	2	4
54 Professional- scientific & tech svcs	0	3	1	4
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	4	1	5
61 Educational svcs	0	0	1	1
62 Health & social services	174	2	12	188
71 Arts- entertainment & recreation	0	0	1	1
72 Accommodation & food services	0	2	5	7
81 Other services	0	2	4	6
92 Government & non NAICs	0	2	2	4
<b>Total</b>	<b>174</b>	<b>25</b>	<b>45</b>	<b>244</b>
<b>Multiplier</b>	<b>1.40</b>			

## LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$708	\$4,257	\$4,966
21 Mining	\$0	\$37	\$32	\$69
22 Utilities	\$0	\$8,138	\$9,227	\$17,365
23 Construction	\$0	\$19,345	\$9,949	\$29,294
31-33 Manufacturing	\$0	\$23,443	\$18,089	\$41,532
42 Wholesale Trade	\$0	\$148,206	\$141,708	\$289,915
44-45 Retail trade	\$0	\$24,208	\$372,054	\$396,261
48-49 Transportation & Warehousing	\$0	\$29,739	\$28,572	\$58,311
51 Information	\$0	\$49,691	\$35,899	\$85,590
52 Finance & insurance	\$0	\$113,036	\$117,296	\$230,332
53 Real estate & rental	\$0	\$55,880	\$48,569	\$104,449
54 Professional- scientific & tech svcs	\$0	\$240,183	\$78,704	\$318,887
55 Management of companies	\$0	\$23,126	\$3,509	\$26,635
56 Administrative & waste services	\$0	\$190,962	\$41,651	\$232,613
61 Educational svcs	\$0	\$417	\$18,927	\$19,344
62 Health & social services	\$10,747,674	\$132,199	\$742,284	\$11,622,156
71 Arts- entertainment & recreation	\$0	\$5,443	\$26,615	\$32,058
72 Accommodation & food services	\$0	\$39,560	\$92,828	\$132,388
81 Other services	\$0	\$54,035	\$129,770	\$183,805
92 Government & non NAICs	\$0	\$159,102	\$119,077	\$278,180
<b>Total</b>	<b>\$10,747,674</b>	<b>\$1,317,458</b>	<b>\$2,039,017</b>	<b>\$14,104,149</b>
<b>Multiplier</b>	<b>1.31</b>			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$1,259	\$7,566	\$8,825
21 Mining	\$0	\$96	\$85	\$182
22 Utilities	\$0	\$45,656	\$51,769	\$97,425
23 Construction	\$0	\$29,829	\$15,341	\$45,170
31-33 Manufacturing	\$0	\$79,825	\$61,595	\$141,420
42 Wholesale Trade	\$0	\$201,899	\$193,047	\$394,946
44-45 Retail trade	\$0	\$23,691	\$364,123	\$387,814
48-49 Transportation & Warehousing	\$0	\$41,352	\$39,729	\$81,082
51 Information	\$0	\$137,347	\$99,224	\$236,570
52 Finance & insurance	\$0	\$229,341	\$237,984	\$467,327
53 Real estate & rental	\$0	\$700,540	\$608,893	\$1,309,433
54 Professional- scientific & tech svcs	\$0	\$254,809	\$83,497	\$338,306
55 Management of companies	\$0	\$24,416	\$3,704	\$28,120
56 Administrative & waste services	\$0	\$227,899	\$49,707	\$277,606
61 Educational svcs	\$0	\$670	\$30,433	\$31,103
62 Health & social services	\$12,453,374	\$153,180	\$860,088	\$13,466,641
71 Arts- entertainment & recreation	\$0	\$7,824	\$38,262	\$46,086
72 Accommodation & food services	\$0	\$68,641	\$161,067	\$229,708
81 Other services	\$0	\$75,871	\$182,213	\$258,084
92 Government & non NAICs	\$0	\$106,615	\$79,793	\$186,408
<b>Total</b>	<b>\$12,453,374</b>	<b>\$2,410,762</b>	<b>\$3,168,118</b>	<b>\$18,032,253</b>
<b>Multiplier</b>	1.45			

## TOTAL

## EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	1	1
21 Mining	0	0	0	0
22 Utilities	0	1	1	1
23 Construction	0	1	1	2
31-33 Manufacturing	0	2	2	4
42 Wholesale Trade	0	5	4	9
44-45 Retail trade	0	2	31	33
48-49 Transportation & Warehousing	0	2	2	4
51 Information	0	3	2	4
52 Finance & insurance	0	11	10	21
53 Real estate & rental	0	4	3	7
54 Professional- scientific & tech svcs	0	8	3	11
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	8	2	10
61 Educational svcs	0	0	5	5
62 Health & social services	615	8	41	664
71 Arts- entertainment & recreation	0	1	3	4
72 Accomodation & food services	0	9	18	28
81 Other services	0	5	11	16
92 Government & non NAICs	0	7	5	11
<b>Total</b>	<b>615</b>	<b>78</b>	<b>142</b>	<b>835</b>
<b>Multiplier</b>	1.36			

## LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$18,169	\$40,435	\$58,604
21 Mining	\$0	\$145	\$115	\$260
22 Utilities	\$0	\$99,887	\$99,645	\$199,532
23 Construction	\$0	\$69,107	\$32,550	\$101,658
31-33 Manufacturing	\$0	\$185,849	\$141,709	\$327,558
42 Wholesale Trade	\$0	\$318,195	\$277,043	\$595,238
44-45 Retail trade	\$0	\$88,923	\$1,172,251	\$1,261,174
48-49 Transportation & Warehousing	\$0	\$146,656	\$125,036	\$271,692
51 Information	\$0	\$148,000	\$97,847	\$245,847
52 Finance & insurance	\$0	\$755,788	\$680,254	\$1,436,041
53 Real estate & rental	\$0	\$169,233	\$133,118	\$302,351
54 Professional- scientific & tech svcs	\$0	\$731,286	\$232,220	\$963,506
55 Management of companies	\$0	\$24,883	\$3,845	\$28,729
56 Administrative & waste services	\$0	\$467,648	\$97,746	\$565,393
61 Educational svcs	\$0	\$6,148	\$250,067	\$256,215
62 Health & social services	\$37,934,546	\$506,474	\$2,514,632	\$40,955,652
71 Arts- entertainment & recreation	\$0	\$19,404	\$84,131	\$103,534
72 Accomodation & food services	\$0	\$239,778	\$479,173	\$718,951
81 Other services	\$0	\$172,267	\$364,432	\$536,699
92 Government & non NAICs	\$0	\$532,276	\$352,469	\$884,745
<b>Total</b>	<b>\$37,934,546</b>	<b>\$4,700,114</b>	<b>\$7,178,718</b>	<b>\$49,813,378</b>
<b>Multiplier</b>	1.31			

## TOTAL OUTPUT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$32,494	\$72,283	\$104,776
21 Mining	\$0	\$349	\$276	\$627
22 Utilities	\$0	\$279,774	\$282,490	\$562,263
23 Construction	\$0	\$104,591	\$49,298	\$153,889
31-33 Manufacturing	\$0	\$1,373,813	\$1,046,554	\$2,420,368
42 Wholesale Trade	\$0	\$433,794	\$377,667	\$811,461
44-45 Retail trade	\$0	\$87,942	\$1,158,582	\$1,246,524
48-49 Transportation & Warehousing	\$0	\$216,693	\$184,397	\$401,091
51 Information	\$0	\$392,243	\$259,844	\$652,087
52 Finance & insurance	\$0	\$1,661,093	\$1,491,992	\$3,153,087
53 Real estate & rental	\$0	\$2,194,826	\$1,723,459	\$3,918,285
54 Professional- scientific & tech svcs	\$0	\$749,883	\$238,255	\$988,138
55 Management of companies	\$0	\$26,556	\$4,114	\$30,670
56 Administrative & waste services	\$0	\$611,634	\$127,505	\$739,139
61 Educational svcs	\$0	\$7,135	\$291,174	\$298,309
62 Health & social services	\$43,507,946	\$580,701	\$2,884,576	\$46,973,223
71 Arts- entertainment & recreation	\$0	\$29,196	\$126,311	\$155,507
72 Accomodation & food services	\$0	\$391,247	\$783,574	\$1,174,820
81 Other services	\$0	\$214,693	\$457,740	\$672,433
92 Government & non NAICs	\$0	\$368,750	\$243,738	\$612,488
<b>Total</b>	<b>\$43,507,946</b>	<b>\$9,757,408</b>	<b>\$11,803,828</b>	<b>\$65,069,182</b>
<b>Multiplier</b>	1.50			

## 4 Community Level Impacts

The analysis in section 3 was calculated at the county level, with the county being the smallest geographic unit for which an impact model could be constructed. A further attempt was made to drill the impacts down to the level of the individual community, using information on the residence location of employees. The table below provides a summary assessment.

### DD Facility

	<b>Jacksonville</b>	<b>Mabley</b>	<b>Total</b>
<b>Employment</b>	214	144	358
<b>Income</b>	\$12,933,151	\$8,336,416	\$21,269,567
<b>Output</b>	\$17,035,811	\$10,658,166	\$27,693,978
<b>Sales Tax</b>	\$144,997	\$103,609	\$248,607

### MH Facility

	<b>Chester</b>	<b>Singer</b>	<b>Tinley Park</b>	<b>Total</b>
<b>Employment</b>	175	34	21	229
<b>Income</b>	\$13,677,713	\$2,501,853	\$2,012,765	\$18,192,331
<b>Output</b>	\$16,662,509	\$3,472,878	\$2,919,349	\$23,054,736
<b>Sales Tax</b>	\$129,691	\$50,812	\$34,222	\$214,725

## 5 State Sales and Income Taxes

Finally, even though the facilities are owned and operated by the state and thus do not incur sales taxes on goods and services purchased, the inputs into these goods and services are taxed. Further, employees in the facilities and those employees working in firms supplying the goods and services and in the activities providing consumer goods and services will all pay state income tax. The table below provides an estimate of the state income and sales taxes generated by the total impact of each facility on the economy. Property taxes, licenses and other fees, corporate taxes and so forth were not estimated.

### DD FACILITY

	<b>Jacksonville</b>	<b>Mabley</b>	<b>Total</b>
<b>State Sales Tax</b>	\$400,347	\$175,293	\$575,640
<b>State Income Tax</b>	\$190,095	\$93,913	\$284,008

### MH FACILITY

	<b>Chester</b>	<b>Singer</b>	<b>Tinley Park</b>	<b>Total</b>
<b>State Sales Tax</b>	\$431,406	\$295,157	\$592,227	\$1,318,790
<b>State Income Tax</b>	\$203,898	\$145,344	\$321,507	\$670,749

## 6 Net Impacts

For some facilities, information was available for funds that the state would provide for communities to offset part or all of the negative impact of the closure of these facilities. Thus, it was possible to estimate a “net” effect on the community.

### Mental Health Facilities:

#### SINGER

#### EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	0	0
21 Mining	0	0	0	0
22 Utilities	0	0	0	0
23 Construction	0	0	0	1
31-33 Manufacturing	0	0	0	1
42 Wholesale Trade	0	1	2	3
44-45 Retail trade	0	1	14	15
48-49 Transportation & Warehousing	0	1	2	3
51 Information	0	1	1	2
52 Finance & insurance	0	4	5	8
53 Real estate & rental	0	3	3	6
54 Professional- scientific & tech svcs	0	4	2	6
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	8	3	11
61 Educational svcs	0	0	2	2
62 Health & social services	148	2	14	164
71 Arts- entertainment & recreation	0	0	1	2
72 Accommodation & food services	0	3	8	11
81 Other services	0	2	5	6
92 Government & non NAICs	0	2	2	3
<b>Total</b>	<b>148</b>	<b>35</b>	<b>63</b>	<b>245</b>
<b>Multiplier</b>	1.66			

## LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$198	\$1,208	\$1,405
21 Mining	\$0	\$12	\$14	\$26
22 Utilities	\$0	\$32,145	\$41,116	\$73,261
23 Construction	\$0	\$26,557	\$18,409	\$44,966
31-33 Manufacturing	\$0	\$48,363	\$46,050	\$94,413
42 Wholesale Trade	\$0	\$146,117	\$162,394	\$308,511
44-45 Retail trade	\$0	\$33,499	\$585,655	\$619,153
48-49 Transportation & Warehousing	\$0	\$89,085	\$99,952	\$189,037
51 Information	\$0	\$67,200	\$54,020	\$121,220
52 Finance & insurance	\$0	\$373,930	\$448,651	\$822,581
53 Real estate & rental	\$0	\$76,322	\$77,896	\$154,218
54 Professional- scientific & tech svcs	\$0	\$396,140	\$175,938	\$572,078
55 Management of companies	\$0	\$25,896	\$6,052	\$31,948
56 Administrative & waste services	\$0	\$420,006	\$128,455	\$548,462
61 Educational svcs	\$0	\$1,485	\$75,308	\$76,793
62 Health & social services	\$12,885,673	\$197,993	\$1,243,277	\$14,326,943
71 Arts- entertainment & recreation	\$0	\$7,905	\$39,136	\$47,041
72 Accomodation & food services	\$0	\$87,884	\$223,548	\$311,432
81 Other services	\$0	\$84,531	\$215,671	\$300,202
92 Government & non NAICs	\$0	\$153,840	\$131,751	\$285,590
<b>Total</b>	<b>\$12,885,673</b>	<b>\$2,269,107</b>	<b>\$3,774,501</b>	<b>\$18,929,281</b>
<b>Multiplier</b>	1.47			

## TOTAL OUTPUT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$351	\$2,143	\$2,494
21 Mining	\$0	\$52	\$57	\$108
22 Utilities	\$0	\$153,983	\$196,956	\$350,940
23 Construction	\$0	\$39,227	\$27,191	\$66,418
31-33 Manufacturing	\$0	\$130,112	\$123,891	\$254,004
42 Wholesale Trade	\$0	\$211,586	\$235,157	\$446,743
44-45 Retail trade	\$0	\$36,166	\$632,278	\$668,443
48-49 Transportation & Warehousing	\$0	\$138,673	\$155,590	\$294,263
51 Information	\$0	\$169,186	\$136,004	\$305,190
52 Finance & insurance	\$0	\$752,870	\$903,315	\$1,656,185
53 Real estate & rental	\$0	\$1,010,613	\$1,031,446	\$2,042,059
54 Professional- scientific & tech svcs	\$0	\$481,427	\$213,817	\$695,243
55 Management of companies	\$0	\$32,991	\$7,710	\$40,701
56 Administrative & waste services	\$0	\$526,772	\$161,109	\$687,880
61 Educational svcs	\$0	\$1,748	\$88,663	\$90,412
62 Health & social services	\$14,671,794	\$225,437	\$1,415,612	\$16,312,843
71 Arts- entertainment & recreation	\$0	\$12,636	\$62,561	\$75,198
72 Accommodation & food services	\$0	\$152,092	\$386,870	\$538,961
81 Other services	\$0	\$96,183	\$245,400	\$341,583
92 Government & non NAICs	\$0	\$117,636	\$100,745	\$218,381
<b>Total</b>	<b>\$14,671,794</b>	<b>\$4,289,741</b>	<b>\$6,126,515</b>	<b>\$25,088,050</b>
<b>Multiplier</b>	1.71			

## Tinley Park

## EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	0	0
21 Mining	0	0	0	0
22 Utilities	0	0	0	0
23 Construction	0	0	0	1
31-33 Manufacturing	0	2	2	4
42 Wholesale Trade	0	2	3	5
44-45 Retail trade	0	1	17	18
48-49 Transportation & Warehousing	0	2	2	4
51 Information	0	2	2	3
52 Finance & insurance	0	5	8	14
53 Real estate & rental	0	6	8	14
54 Professional- scientific & tech svcs	0	7	4	12
55 Management of companies	0	2	1	2
56 Administrative & waste services	0	13	6	19
61 Educational svcs	0	0	5	5
62 Health & social services	201	3	21	225
71 Arts- entertainment & recreation	0	1	3	4
72 Accommodation & food services	0	3	9	12
81 Other services	0	2	6	8
92 Government & non NAICs	0	2	2	5
<b>Total</b>	<b>201</b>	<b>53</b>	<b>101</b>	<b>355</b>
<b>Multiplier</b>	1.77			

## LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$1,337	\$5,077	\$6,415
21 Mining	\$0	\$14,732	\$19,535	\$34,267
22 Utilities	\$0	\$50,313	\$78,710	\$129,024
23 Construction	\$0	\$49,405	\$46,177	\$95,582
31-33 Manufacturing	\$0	\$238,760	\$309,317	\$548,077
42 Wholesale Trade	\$0	\$338,840	\$459,979	\$798,819
44-45 Retail trade	\$0	\$45,947	\$1,001,304	\$1,047,251
48-49 Transportation & Warehousing	\$0	\$181,663	\$254,498	\$436,160
51 Information	\$0	\$263,469	\$281,126	\$544,595
52 Finance & insurance	\$0	\$835,691	\$1,252,649	\$2,088,340
53 Real estate & rental	\$0	\$248,069	\$321,777	\$569,847
54 Professional- scientific & tech svcs	\$0	\$1,228,872	\$730,233	\$1,959,106
55 Management of companies	\$0	\$405,912	\$145,783	\$551,695
56 Administrative & waste services	\$0	\$866,921	\$369,024	\$1,235,945
61 Educational svcs	\$0	\$6,033	\$387,761	\$393,794
62 Health & social services	\$19,503,780	\$261,323	\$2,073,654	\$21,838,751
71 Arts- entertainment & recreation	\$0	\$29,372	\$155,626	\$184,998
72 Accommodation & food services	\$0	\$152,498	\$470,945	\$623,443
81 Other services	\$0	\$159,487	\$477,941	\$637,428
92 Government & non NAICs	\$0	\$275,888	\$324,905	\$600,793
<b>Total</b>	<b>\$19,503,780</b>	<b>\$5,654,533</b>	<b>\$9,166,022</b>	<b>\$34,324,330</b>
<b>Multiplier</b>	1.76			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$1,956	\$7,426	\$9,382
21 Mining	\$0	\$39,430	\$52,334	\$91,764
22 Utilities	\$0	\$218,312	\$341,760	\$560,072
23 Construction	\$0	\$74,098	\$69,342	\$143,439
31-33 Manufacturing	\$0	\$802,073	\$1,039,894	\$1,841,968
42 Wholesale Trade	\$0	\$514,715	\$699,280	\$1,213,995
44-45 Retail trade	\$0	\$53,665	\$1,170,673	\$1,224,338
48-49 Transportation & Warehousing	\$0	\$312,964	\$438,916	\$751,880
51 Information	\$0	\$610,431	\$651,873	\$1,262,304
52 Finance & insurance	\$0	\$1,531,890	\$2,298,579	\$3,830,469
53 Real estate & rental	\$0	\$2,279,189	\$2,959,369	\$5,238,558
54 Professional- scientific & tech svcs	\$0	\$1,438,152	\$855,783	\$2,293,935
55 Management of companies	\$0	\$473,457	\$170,260	\$643,716
56 Administrative & waste services	\$0	\$1,036,853	\$441,949	\$1,478,803
61 Educational svcs	\$0	\$6,703	\$431,142	\$437,846
62 Health & social services	\$23,094,445	\$309,344	\$2,457,477	\$25,861,266
71 Arts- entertainment & recreation	\$0	\$44,870	\$237,898	\$282,768
72 Accommodation & food services	\$0	\$250,505	\$774,397	\$1,024,901
81 Other services	\$0	\$177,207	\$531,481	\$708,688
92 Government & non NAICs	\$0	\$220,312	\$259,736	\$480,048
<b>Total</b>	<b>\$23,094,445</b>	<b>\$10,396,125</b>	<b>\$15,889,571</b>	<b>\$49,380,141</b>
<b>Multiplier</b>	2.14			

**DD Facilities****JACKSONVILLE****EMPLOYMENT**

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	0	0	0	0
21 Mining	0	0	0	0
22 Utilities	0	0	0	1
23 Construction	0	1	0	1
31-33 Manufacturing	0	1	1	2
42 Wholesale Trade	0	2	1	3
44-45 Retail trade	0	1	14	15
48-49 Transportation & Warehousing	0	1	1	2
51 Information	0	1	1	2
52 Finance & insurance	0	6	6	12
53 Real estate & rental	0	1	1	2
54 Professional- scientific & tech svcs	0	4	1	5
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	3	1	4
61 Educational svcs	0	0	3	3
62 Health & social services	306	4	20	330
71 Arts- entertainment & recreation	0	0	2	2
72 Accommodation & food services	0	5	10	15
81 Other services	0	2	5	7
92 Government & non NAICs	0	3	2	5
<b>Total</b>	<b>306</b>	<b>37</b>	<b>67</b>	<b>411</b>
<b>Multiplier</b>	<b>1.34</b>			

**LABOR INCOME**

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$13,870	\$28,737	\$42,607
21 Mining	\$0	\$86	\$65	\$152
22 Utilities	\$0	\$72,880	\$71,823	\$144,703
23 Construction	\$0	\$39,528	\$17,954	\$57,481
31-33 Manufacturing	\$0	\$129,006	\$98,197	\$227,203
42 Wholesale Trade	\$0	\$135,030	\$107,502	\$242,531
44-45 Retail trade	\$0	\$51,406	\$635,630	\$687,036
48-49 Transportation & Warehousing	\$0	\$92,872	\$76,626	\$169,497
51 Information	\$0	\$78,091	\$49,208	\$127,299
52 Finance & insurance	\$0	\$510,565	\$447,181	\$957,745
53 Real estate & rental	\$0	\$90,041	\$67,160	\$157,202
54 Professional- scientific & tech svcs	\$0	\$390,103	\$121,944	\$512,047
55 Management of companies	\$0	\$1,396	\$267	\$1,663
56 Administrative & waste services	\$0	\$219,783	\$44,558	\$264,341
61 Educational svcs	\$0	\$4,552	\$183,604	\$188,156
62 Health & social services	\$21,595,667	\$297,302	\$1,407,850	\$23,300,819
71 Arts- entertainment & recreation	\$0	\$11,089	\$45,687	\$56,777
72 Accommodation & food services	\$0	\$159,042	\$306,890	\$465,932
81 Other services	\$0	\$93,916	\$186,401	\$280,318
92 Government & non NAICs	\$0	\$296,427	\$185,393	\$481,820
<b>Total</b>	<b>\$21,595,667</b>	<b>\$2,686,985</b>	<b>\$4,082,678</b>	<b>\$28,365,330</b>
<b>Multiplier</b>	<b>1.31</b>			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$19,407	\$40,209	\$59,616
21 Mining	\$0	\$158	\$119	\$277
22 Utilities	\$0	\$145,460	\$143,349	\$288,809
23 Construction	\$0	\$46,450	\$21,098	\$67,548
31-33 Manufacturing	\$0	\$803,970	\$611,967	\$1,415,937
42 Wholesale Trade	\$0	\$144,079	\$114,706	\$258,786
44-45 Retail trade	\$0	\$39,920	\$493,607	\$533,527
48-49 Transportation & Warehousing	\$0	\$108,941	\$89,884	\$198,825
51 Information	\$0	\$158,370	\$99,796	\$258,166
52 Finance & insurance	\$0	\$889,564	\$779,130	\$1,668,694
53 Real estate & rental	\$0	\$928,417	\$692,493	\$1,620,910
54 Professional- scientific & tech svcs	\$0	\$307,595	\$96,153	\$403,748
55 Management of companies	\$0	\$1,330	\$255	\$1,585
56 Administrative & waste services	\$0	\$238,419	\$48,337	\$286,756
61 Educational svcs	\$0	\$4,017	\$162,002	\$166,018
62 Health & social services	\$19,294,573	\$265,624	\$1,257,839	\$20,818,035
71 Arts- entertainment & recreation	\$0	\$13,279	\$54,706	\$67,985
72 Accommodation & food services	\$0	\$200,439	\$386,771	\$587,210
81 Other services	\$0	\$86,252	\$171,188	\$257,440
92 Government & non NAICs	\$0	\$162,867	\$101,861	\$264,729
<b>Total</b>	<b>\$19,294,573</b>	<b>\$4,564,558</b>	<b>\$5,365,468</b>	<b>\$29,224,599</b>
<b>Multiplier</b>	1.51			

## MABLEY

## EMPLOYMENT

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	0	0	0	0
21 Mining	0	0	0	0
22 Utilities	0	0	0	0
23 Construction	0	0	0	0
31-33 Manufacturing	0	0	0	0
42 Wholesale Trade	0	2	2	3
44-45 Retail trade	0	1	8	8
48-49 Transportation & Warehousing	0	0	0	1
51 Information	0	0	0	1
52 Finance & insurance	0	1	1	3
53 Real estate & rental	0	2	1	3
54 Professional- scientific & tech svcs	0	2	1	3
55 Management of companies	0	0	0	0
56 Administrative & waste services	0	3	1	4
61 Educational svcs	0	0	1	1
62 Health & social services	123	2	8	133
71 Arts- entertainment & recreation	0	0	1	1
72 Accommodation & food services	0	1	3	5
81 Other services	0	1	3	4
92 Government & non NAICs	0	2	1	3
<b>Total</b>	<b>123</b>	<b>17</b>	<b>32</b>	<b>172</b>
<b>Multiplier</b>	1.40			

## LABOR INCOME

Description	Direct	Indirect	Induced	Total
11 Ag, Forestry, Fish & Hunting	\$0	\$538	\$3,237	\$3,775
21 Mining	\$0	\$28	\$25	\$52
22 Utilities	\$0	\$6,187	\$7,015	\$13,202
23 Construction	\$0	\$14,708	\$7,564	\$22,272
31-33 Manufacturing	\$0	\$17,824	\$13,753	\$31,577
42 Wholesale Trade	\$0	\$112,682	\$107,742	\$220,423
44-45 Retail trade	\$0	\$18,405	\$282,874	\$301,279
48-49 Transportation & Warehousing	\$0	\$22,611	\$21,723	\$44,334
51 Information	\$0	\$37,780	\$27,294	\$65,074
52 Finance & insurance	\$0	\$85,942	\$89,180	\$175,122
53 Real estate & rental	\$0	\$42,486	\$36,927	\$79,413
54 Professional- scientific & tech svcs	\$0	\$182,613	\$59,839	\$242,452
55 Management of companies	\$0	\$17,583	\$2,668	\$20,250
56 Administrative & waste services	\$0	\$145,190	\$31,667	\$176,857
61 Educational svcs	\$0	\$317	\$14,390	\$14,707
62 Health & social services	\$8,171,506	\$100,512	\$564,362	\$8,836,379
71 Arts- entertainment & recreation	\$0	\$4,138	\$20,235	\$24,374
72 Accommodation & food services	\$0	\$30,077	\$70,578	\$100,655
81 Other services	\$0	\$41,083	\$98,665	\$139,748
92 Government & non NAICs	\$0	\$120,966	\$90,535	\$211,501
<b>Total</b>	<b>\$8,171,506</b>	<b>\$1,001,669</b>	<b>\$1,550,274</b>	<b>\$10,723,449</b>
<b>Multiplier</b>	1.31			

## TOTAL OUTPUT

<b>Description</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
11 Ag, Forestry, Fish & Hunting	\$0	\$707	\$4,249	\$4,956
21 Mining	\$0	\$54	\$47	\$102
22 Utilities	\$0	\$25,639	\$29,072	\$54,710
23 Construction	\$0	\$16,751	\$8,615	\$25,366
31-33 Manufacturing	\$0	\$44,827	\$34,590	\$79,417
42 Wholesale Trade	\$0	\$113,379	\$108,409	\$221,788
44-45 Retail trade	\$0	\$13,304	\$204,479	\$217,783
48-49 Transportation & Warehousing	\$0	\$23,222	\$22,310	\$45,533
51 Information	\$0	\$77,129	\$55,720	\$132,850
52 Finance & insurance	\$0	\$128,790	\$133,643	\$262,434
53 Real estate & rental	\$0	\$393,399	\$341,933	\$735,331
54 Professional- scientific & tech svcs	\$0	\$143,091	\$46,889	\$189,981
55 Management of companies	\$0	\$13,711	\$2,080	\$15,791
56 Administrative & waste services	\$0	\$127,980	\$27,914	\$155,894
61 Educational svcs	\$0	\$376	\$17,090	\$17,467
62 Health & social services	\$6,993,374	\$86,021	\$482,995	\$7,562,390
71 Arts- entertainment & recreation	\$0	\$4,394	\$21,487	\$25,880
72 Accommodation & food services	\$0	\$38,546	\$90,449	\$128,996
81 Other services	\$0	\$42,606	\$102,325	\$144,931
92 Government & non NAICs	\$0	\$59,872	\$44,809	\$104,680
<b>Total</b>	<b>\$6,993,374</b>	<b>\$1,353,799</b>	<b>\$1,779,103</b>	<b>\$10,126,275</b>
<b>Multiplier</b>	1.45			

## **7 Summary Evaluation**

The decision to close a facility will generate not only a direct impact but, in some cases, important indirect effects on the local community or county in which it is located. The analysis conducted here only looks at the negative effects of the closure of the facility; However, there are other impacts that have not be considered – the nature and volume of charitable contributions – both time and money – provided by the facility employees; the impact of the closure and re-location of facility employees and their families on school district enrolments and so forth. All of these more qualitative impacts contribute to the fabric of the local community and may be valued just as highly – even is they are more difficult to measure.