



Wallops Island Economic Value Study IMPLAN Simulation Results

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Executive Summary

Wallops Island provides a significant positive economic impact to the local economy. To estimate the economic impact of the project, the IMPLAN software package (produced by the Minnesota IMPLAN Group, Inc) is utilized. The economic impact of Wallops Island manifests itself through three channels: 1) the annual impact from operations of the various businesses at the site, 2) the employment impact generated by the percentage of the employees' payroll spent locally, and 3) the annual impact from the additional tourism generated in Accomack County by the Flight Facility. A portion of the impacts that leak out of the county are captured by the rest of the Lower Eastern Shore (LES) (which includes Northampton County in Virginia and Somerset, Wicomico, and Worcester Counties in Maryland). Additionally, the activities create an impact outside of the region due to expenditures spent elsewhere and leakages; this impact is also estimated here.

The following table shows the annual aggregate estimated economic, employment¹, and fiscal impacts of the activities at Wallops Island.

	County	Rest of LES	Total LES	Outside of Region	Total (Total LES + Outside Region)
Total Economic Impact	\$77,789,753	\$110,489,852	\$188,279,605	\$207,230,780	\$395,510,385
Employment Impact	1,206	1,141	2,341	704	1,646
Fiscal Impact					
State and Local	\$2,655,556	\$4,451,531	\$7,107,087	\$6,320,727	\$13,427,814
Federal	\$2,307,898	\$3,494,412	\$5,802,310	\$7,546,449	\$13,348,759



¹ Jobs as reported by IMPLAN include all full-time, part time, and temporary positions. The total number of local jobs supported includes the employees that are actually currently employed by the entities at Wallops Island. To see the conversion to Full-Time Equivalent jobs please see Appendix A.

Introduction

Since 1941 the base at Wallops Island has fulfilled a variety of missions vital to our nation. From the beginning as a Naval Air Station, continuing on as a first access to space for NASA, with the addition of a Navy ship mission to today's addition of the commercial use of space, Wallops Island has often been on the forefront of technology.



A beneficial side effect of the base is a stable and valuable economic resource for to the Virginia-Maryland region. Over the previous decades, the economic value has been the subject of anecdotes or analysis of components.

A modern and comprehensive study has been needed to quantify the value of the Wallops-based activities to the economy of the region. Towards that end, this study was commissioned.

Economic Impact Modeling Background

The following software is used to conduct the economic impact and scenario analyses for this study.

IMPLAN

The IMPLAN model includes all economic effects when calculating total output/employment (i.e. this includes “direct” *plus* “indirect” *plus* “induced” (ripple effect) impacts). The IMPLAN model is based on Input-Output (IO) theory, for which Wassily Leontief was awarded the Nobel Prize in Economics in 1973. In IO models, the “jobs supported” estimates are the number of jobs that are needed to produce the current level of local output at the average productivity levels of workers in their respective industries. The IMPLAN model is based on actual Accomack, Northampton, Somerset,

Wicomico, and Worcester County data from 2008 inflated to 2010 figures. The principle advantage of the IO IMPLAN model is in its utilization of state and county-specific data.

Economic Impact Analysis

Results

Wallops Island provides a significant positive economic impact to the local economy. To estimate the economic impact of the activities at Wallops Island, the IMPLAN software package (produced by the Minnesota IMPLAN Group, Inc) is utilized. The economic impact of Wallops Island manifests itself through three channels: 1) the annual impact from operations of the various businesses at the site, 2) the employment impact generated by the percentage of the employees' payroll spent locally, and 3) the annual impact from the additional tourism generated in Accomack County by the Flight Facility. A portion of the impacts that leak out of the county are captured by the rest of the Lower Eastern Shore (LES) (which includes Northampton County in Virginia and Somerset, Wicomico, and Worcester Counties in Maryland). Additionally, the activities create an impact outside of the region due to expenditures spent elsewhere and leakages; this impact is also estimated here.

The results from the economic impact study are categorized by region (i.e. Accomack County, the rest of the LES, the total for the LES: Accomack and the rest of the LES combined), and outside of the region and by the three channels of impact generation mentioned previously.

At the county level the results show an estimated annual economic impact of approximately \$77,789,753. This includes \$63,290,628 in direct impacts, \$8,836,551 in indirect impacts, and \$5,662,561 in induced impacts. At the county level a total of

approximately 1,206 local jobs are supported². The estimated annual fiscal impact is estimated to be \$2,655,556 in state and local taxes and \$2,307,898 in federal taxes.

In the rest of the LES the results show an estimated annual economic impact of approximately \$110,489,852. This includes \$87,100,544 in direct impacts, \$13,271,145 in indirect impacts, and \$10,118,152 in induced impacts. At the county level a total of approximately 1,141 local jobs are supported. The estimated annual fiscal impact is estimated to be \$4,451,531 in state and local taxes and \$3,494,412 in federal taxes.

The estimated annual economic impact for all of the LES (Accomack County and rest of LES) is approximately \$188,279,605. This includes \$150,391,172 in direct impacts, \$22,107,696 in indirect impacts, and \$15,780,713 in induced impacts. At the county level a total of approximately 2,341 local jobs are supported. The estimated annual fiscal impact is estimated to be \$7,107,087 in state and local taxes and \$5,802,310 in federal taxes.

Summary Tables

The estimated annual aggregate economic impacts for each of the geographies are broken down by direct, indirect, induced impacts (effects)³ in the tables below.

Total Impact

	County	Lower Eastern Shore	Total	Outside of Region	Total (Total LES + Outside Region)
Direct Effect	\$63,290,628	\$87,100,544	\$150,391,172	\$78,646,060	\$229,037,232
Indirect Effect	\$8,836,551	\$13,271,145	\$22,107,696	\$58,233,205	\$80,340,901
Induced Effect	\$5,662,561	\$10,118,152	\$15,780,713	\$70,351,490	\$86,132,193
Total Effect	\$77,789,753	\$110,489,852	\$188,279,605	\$207,230,780	\$395,510,385

² Jobs as reported by IMPLAN include all full-time, part time, and temporary positions. The total number of local jobs supported includes the employees that are actually currently employed by the entities at Wallops Island. To see the conversion to Full-Time Equivalent jobs please see Appendix A.

³ Direct, indirect, and induced impacts are defined by the Minnesota IMPLAN Group, Inc as follows. Direct impact is the impact created by the money from the defined activity entering the economy. The indirect impacts are determined by the amount of the direct effect spent within the study region on supplies, services, labor, and taxes. The induced effect measures the money that is re-spent in the study region as a result of spending from the indirect effect.

Employment Impact

	County	Lower Eastern Shore	Total LES ⁴	Outside of Region	Total (Total LES + Outside Region)
Direct Effect	305	456	761	296	1,057
Indirect Effect	40	60	100	163	263
Induced Effect	30	51	81	246	327
Total Effect	375	567	942	704	1,646

These figures are further broken down by the three channels of economic impact generation (operations, employment, and tourism) mention previously. The annual impact of the activities at Wallops Island will include the impact from.

County

Total Impact

	Operations	Employment	Tourism	Total
Direct Effect	\$20,562,706	\$41,884,778	\$843,144	\$63,290,628
Indirect Effect	\$3,716,496	\$4,956,770	\$163,285	\$8,836,551
Induced Effect	\$2,191,468	\$3,358,976	\$112,117	\$5,662,561
Total Effect	\$26,470,672	\$50,200,534	\$1,118,547	\$77,789,753

Employment Impact

	Operations	Employment	Tourism	Total
Direct Effect	72	225	8	305
Indirect Effect	16	23	1	40
Induced Effect	12	18	1	30
Total Effect	100	266	9	375

Fiscal Impact

	Operations	Employment	Tourism	Total
State and Local	\$353,552	\$2,263,190	\$38,814	\$2,655,556
Federal	\$719,663	\$1,553,936	\$34,299	\$2,307,898

⁴ Totals may not sum exactly due to rounding.

Rest of Lower Eastern Shore

Total Impact

	Operations	Employment	Tourism	Total
Direct Effect	\$11,980,035	\$74,157,707	\$962,802	\$87,100,544
Indirect Effect	\$4,329,501	\$8,775,625	\$166,019	\$13,271,145
Induced Effect	\$3,967,815	\$5,949,571	\$200,766	\$10,118,152
Total Effect	\$20,277,354	\$88,882,910	\$1,329,588	\$110,489,852

Employment Impact

	Operations	Employment	Tourism	Total
Direct Effect	50	399	7	456
Indirect Effect	18	41	1	60
Induced Effect	19	32	1	51
Total Effect	87	472	9	567

Fiscal Impact

	Operations	Employment	Tourism	Total
State and Local	\$397,293	\$4,005,171	\$49,067	\$4,451,531
Federal	\$689,751	\$2,751,463	\$53,198	\$3,494,412

Total Lower Eastern Shore Impact

Total Impact

	Operations	Employment	Tourism	Total
Direct Effect	\$32,542,741	\$116,042,485	\$1,805,946	\$150,391,172
Indirect Effect	\$8,045,997	\$13,732,395	\$329,304	\$22,107,696
Induced Effect	\$6,159,283	\$9,308,547	\$312,883	\$15,780,713
Total Effect	\$46,748,026	\$139,083,444	\$2,448,135	\$188,279,605

Employment Impact

	Operations	Employment	Tourism	Total
Direct Effect	122	624	15	761
Indirect Effect	34	64	2	100
Induced Effect	31	50	2	81
Total Effect	187	738	18	942

Fiscal Impact

	Operations	Employment	Tourism	Total
State and Local	\$750,845	\$6,268,361	\$87,881	\$7,107,087
Federal	\$1,409,414	\$4,305,399	\$87,497	\$5,802,310

Outside of Region⁵

	Total Impact	Employment Impact
Direct Effect	\$78,646,060	296
Indirect Effect	\$58,233,205	163
Induced Effect	\$70,351,490	246
Total Effect	\$207,230,780	704

Fiscal Impact

State and Local	\$6,320,727
Federal	\$7,546,449



⁵ The estimated economic impact to the area outside the region is only estimated in total as the main economic generator for the impact outside the region is the business operations expenditures spent outside the region, all impacts from the other generators are negligible. Therefore, all estimated impacts reported are aggregated.

Conclusion

It is clear that Wallops Island is a significant economic engine for Accomack County, Virginia as well as the Lower Eastern Shore Region of Virginia and Maryland.

The three main elements of the economic impact of the various activities at Wallops Island are:

1. The annual impact from operations;
2. The annual impact from the percentage of workers' pay spent locally;
3. The annual impact from the additional Wallops Island related visitor expenditures in Accomack County, Virginia and the surrounding Eastern Shore counties.

Additionally, NASA's increased activities in preparation for the Taurus II resupply missions to the International Space Station will greatly add to the economic impact of the facility. Orbital Corporation's continuing and increasing activities are also bound to increase the overall economic, employment and fiscal impacts beyond the numbers reported in this study. These impacts are bound to be significant, and of lasting value. In addition, BEACON estimates that the indirect and induced impacts associated with these additional impacts will be higher than the current impacts discussed, leading to higher multipliers. The precise impacts should be investigated as soon as the details of some of these activities are further solidified.



Appendix A

Employment Impact Conversion to Full-Time Equivalent Jobs

	IMPLAN Report Jobs	FTE
County	375	332
Rest of Lower Eastern Shore	567	498
Total Lower Eastern Shore	942	830

Appendix B- Assumptions

The results of this economic impact analysis are based on the data provided by , Computer Sciences Corporation (CSC), Lockheed Martin, NASA Wallops Flight Facility, National Oceanic and Atmospheric Administration (NOAA) Wallops CDA Station, Northrop Grumman, Virginia Commercial Space Flight Authority, and VT Griffin/Wallops Institutional Consolidated Contract (WICC). These companies also provided estimates of the portion of expenditures spent in the county and outside the county as well as an estimated breakdown of place of residence for employees.

In order to estimate the economic impact created by increased tourism due to people visiting Wallops Island for a variety of reasons, such as invited guests for launch visits and business group visits, an estimated visitor count was obtained from the NASA Visitor Center. To estimate the expenditures of those visitors, the average hotel rates for Accomack County and Worcester County were obtained from Hotels.com for the portion of visitors estimated to stay overnight and the State of Virginia and State of Maryland per diem rates were utilized for food expenditures. In addition, fuel expenditures by visitors were estimated using the average fuel price over the last 12 month period. It was estimated that approximately 45% of tourism is captured in Accomack County, VA; 45% is captured in Worcester County, Maryland; and 10% is captured outside the region. Additionally, it is estimated that approximately 15% of visitors stay overnight and 85% are day visitors. Additional assumptions are made for the percentage of those who purchase food and buy gasoline.

It is important to note, that for the tourism impacts, all attempts were made to capture only the tourist expenditures directly related to visiting Wallops Island (therefore someone who is visiting the area for a week-long vacation and visits Wallops Island for one day would only be treated as a day visitor since the entire week visit to the area is likely not a direct result of Wallops Island).

All of the impact estimates are reported in 2010 dollars.

Appendix B-Detailed IMPLAN Output Tables

County

Operations

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	72	\$3,268,411	\$4,151,395	\$13,142,900	\$20,562,706
Indirect Effect	16	\$728,014	\$1,009,204	\$1,979,278	\$3,716,496
Induced Effect	12	\$300,864	\$721,303	\$1,169,301	\$2,191,468
Total Effect	100	\$4,297,289	\$5,881,903	\$16,291,480	\$26,470,672

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$23,037
Social Ins Tax- Employee Contribution	\$1,822	\$0			
Social Ins Tax- Employer Contribution	\$7,837				
Indirect Bus Tax: Sales Tax			\$88,413		
Indirect Bus Tax: Property Tax			\$105,989		
Indirect Bus Tax: Motor Vehicle Lic			\$2,070		
Indirect Bus Tax: Severance Tax			\$39		
Indirect Bus Tax: Other Taxes			\$23,178		
Indirect Bus Tax: S/L NonTaxes			\$9,679		
Corporate Profits Tax					\$8,951
Personal Tax: Income Tax				\$69,184	
Personal Tax: NonTaxes (Fines- Fees				\$8,295	
Personal Tax: Motor Vehicle License				\$2,694	
Personal Tax: Property Taxes				\$1,771	
Personal Tax: Other Tax (Fish/Hunt)				\$594	
Total State and Local Tax	\$9,658	\$0	\$229,368	\$82,538	\$31,988
Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$189,474	\$83,602			
Social Ins Tax- Employer Contribution	\$191,615				
Indirect Bus Tax: Excise Taxes			\$10,982		
Indirect Bus Tax: Custom Duty			\$5,114		
Indirect Bus Tax: Fed NonTaxes			\$8,442		
Corporate Profits Tax					\$60,503
Personal Tax: Income Tax				\$169,930	
Total Federal Tax	\$381,089	\$83,602	\$24,539	\$169,930	\$60,503

Employment

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	225	\$5,420,938	\$14,094,850	\$22,368,990	\$41,884,778
Indirect Effect	23	\$818,915	\$1,479,368	\$2,658,487	\$4,956,770
Induced Effect	18	\$461,951	\$1,104,985	\$1,792,040	\$3,358,976
Total Effect	266	\$6,701,804	\$16,679,210	\$26,819,520	\$50,200,534

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$135,261
Social Ins Tax- Employee Contribution	\$3,168	\$0			
Social Ins Tax- Employer Contribution	\$13,632				
Indirect Bus Tax: Sales Tax			\$744,763		
Indirect Bus Tax: Property Tax			\$892,822		
Indirect Bus Tax: Motor Vehicle Lic			\$17,436		
Indirect Bus Tax: Severance Tax			\$328		
Indirect Bus Tax: Other Taxes			\$195,246		
Indirect Bus Tax: S/L NonTaxes			\$81,530		
Corporate Profits Tax					\$52,554
Personal Tax: Income Tax				\$105,992	
Personal Tax: NonTaxes (Fines- Fees				\$12,709	
Personal Tax: Motor Vehicle License				\$4,128	
Personal Tax: Property Taxes				\$2,712	
Personal Tax: Other Tax (Fish/Hunt)				\$910	
Total State and Local Tax	\$16,800	\$0	\$1,932,125	\$126,450	\$187,815
Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$329,581	\$68,762			
Social Ins Tax- Employer Contribution	\$333,306				
Indirect Bus Tax: Excise Taxes			\$92,509		
Indirect Bus Tax: Custom Duty			\$43,082		
Indirect Bus Tax: Fed NonTaxes			\$71,115		
Corporate Profits Tax					\$355,243
Personal Tax: Income Tax				\$260,338	
Total Federal Tax	\$662,887	\$68,762	\$206,706	\$260,338	\$355,243

Tourism

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	8	\$138,745	\$225,718	\$478,681	\$843,144
Indirect Effect	1	\$25,496	\$45,496	\$92,293	\$163,285
Induced Effect	1	\$16,020	\$35,882	\$60,215	\$112,117
Total Effect	9	\$180,261	\$307,097	\$631,189	\$1,118,547

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$1,554
Social Ins Tax- Employee Contribution	\$89	\$0			
Social Ins Tax- Employer Contribution	\$383				
Indirect Bus Tax: Sales Tax			\$12,647		
Indirect Bus Tax: Property Tax			\$15,161		
Indirect Bus Tax: Motor Vehicle Lic			\$296		
Indirect Bus Tax: Severance Tax			\$6		
Indirect Bus Tax: Other Taxes			\$3,316		
Indirect Bus Tax: S/L NonTaxes			\$1,384		
Corporate Profits Tax					\$604
Personal Tax: Income Tax				\$2,829	
Personal Tax: NonTaxes (Fines- Fees				\$339	
Personal Tax: Motor Vehicle License				\$110	
Personal Tax: Property Taxes				\$72	
Personal Tax: Other Tax (Fish/Hunt)				\$24	
Total State and Local Tax	\$472	\$0	\$32,810	\$3,374	\$2,158
Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$9,265	\$1,125			
Social Ins Tax- Employer Contribution	\$9,370				
Indirect Bus Tax: Excise Taxes			\$1,571		
Indirect Bus Tax: Custom Duty			\$732		
Indirect Bus Tax: Fed NonTaxes			\$1,208		
Corporate Profits Tax					\$4,081
Personal Tax: Income Tax				\$6,947	
Total Federal Tax	\$18,636	\$1,125	\$3,510	\$6,947	\$4,081

Total

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	305	\$8,828,094	\$18,471,963	\$35,990,571	\$63,290,628
Indirect Effect	40	\$1,572,425	\$2,534,068	\$4,730,058	\$8,836,551
Induced Effect	30	\$778,835	\$1,862,170	\$3,021,556	\$5,662,561
Total Effect	375	\$11,179,354	\$22,868,210	\$43,742,189	\$77,789,753

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$159,852
Social Ins Tax- Employee Contribution	\$5,079	\$0			
Social Ins Tax- Employer Contribution	\$21,852				
Indirect Bus Tax: Sales Tax			\$845,823		
Indirect Bus Tax: Property Tax			\$1,013,972		
Indirect Bus Tax: Motor Vehicle Lic			\$19,802		
Indirect Bus Tax: Severance Tax			\$373		
Indirect Bus Tax: Other Taxes			\$221,740		
Indirect Bus Tax: S/L NonTaxes			\$92,593		
Corporate Profits Tax					\$62,109
Personal Tax: Income Tax				\$178,005	
Personal Tax: NonTaxes (Fines- Fees				\$21,343	
Personal Tax: Motor Vehicle License				\$6,932	
Personal Tax: Property Taxes				\$4,555	
Personal Tax: Other Tax (Fish/Hunt)				\$1,528	
Total State and Local Tax	\$26,930	\$0	\$2,194,303	\$212,362	\$221,961

Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$528,320	\$153,489			
Social Ins Tax- Employer Contribution	\$534,291				
Indirect Bus Tax: Excise Taxes			\$105,062		
Indirect Bus Tax: Custom Duty			\$48,928		
Indirect Bus Tax: Fed NonTaxes			\$80,765		
Corporate Profits Tax					\$419,827
Personal Tax: Income Tax				\$437,215	
Total Federal Tax	\$1,062,612	\$153,489	\$234,755	\$437,215	\$419,827

Rest of Lower Eastern Shore

Operations

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	50	\$2,306,270	\$2,633,751	\$7,040,014	\$11,980,035
Indirect Effect	18	\$808,621	\$1,163,544	\$2,357,336	\$4,329,501
Induced Effect	19	\$651,952	\$1,228,316	\$2,087,547	\$3,967,815
Total Effect	87	\$3,766,843	\$5,025,611	\$11,484,900	\$20,277,354

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$19,164
Social Ins Tax- Employee Contribution	\$1,251	\$0			
Social Ins Tax- Employer Contribution	\$5,382				
Indirect Bus Tax: Sales Tax			\$96,060		
Indirect Bus Tax: Property Tax			\$106,597		
Indirect Bus Tax: Motor Vehicle Lic			\$2,506		
Indirect Bus Tax: Severance Tax			\$8		
Indirect Bus Tax: Other Taxes			\$34,506		
Indirect Bus Tax: S/L NonTaxes			\$6,949		
Corporate Profits Tax					\$8,617
Personal Tax: Income Tax				\$95,043	
Personal Tax: NonTaxes (Fines- Fees)				\$16,257	
Personal Tax: Motor Vehicle License				\$3,014	
Personal Tax: Property Taxes				\$1,421	
Personal Tax: Other Tax (Fish/Hunt)				\$518	
Total State and Local Tax	\$6,633	\$0	\$246,626	\$116,253	\$27,781
Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$169,892	\$62,048			
Social Ins Tax- Employer Contribution	\$171,812				
Indirect Bus Tax: Excise Taxes			\$17,314		
Indirect Bus Tax: Custom Duty			\$8,064		
Indirect Bus Tax: Fed NonTaxes			\$13,310		
Corporate Profits Tax					\$44,421
Personal Tax: Income Tax				\$202,889	
Total Federal Tax	\$341,705	\$62,048	\$38,688	\$202,889	\$44,421

Employment

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	399	\$9,602,417	\$24,950,500	\$39,604,790	\$74,157,707
Indirect Effect	41	\$1,449,735	\$2,618,967	\$4,706,923	\$8,775,625
Induced Effect	32	\$818,227	\$1,957,201	\$3,174,143	\$5,949,571
Total Effect	472	\$11,870,380	\$29,526,670	\$47,485,860	\$88,882,910

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$239,362
Social Ins Tax- Employee Contribution	\$5,612	\$0			
Social Ins Tax- Employer Contribution	\$24,143				
Indirect Bus Tax: Sales Tax			\$1,317,929		
Indirect Bus Tax: Property Tax			\$1,579,934		
Indirect Bus Tax: Motor Vehicle Lic			\$30,854		
Indirect Bus Tax: Severance Tax			\$580		
Indirect Bus Tax: Other Taxes			\$345,506		
Indirect Bus Tax: S/L NonTaxes			\$144,276		
Corporate Profits Tax					\$93,002
Personal Tax: Income Tax				\$187,737	
Personal Tax: NonTaxes (Fines- Fees				\$22,510	
Personal Tax: Motor Vehicle License				\$7,311	
Personal Tax: Property Taxes				\$4,805	
Personal Tax: Other Tax (Fish/Hunt)				\$1,611	
Total State and Local Tax	\$29,754	\$0	\$3,419,079	\$223,974	\$332,364
Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$583,715	\$121,875			
Social Ins Tax- Employer Contribution	\$590,313				
Indirect Bus Tax: Excise Taxes			\$163,703		
Indirect Bus Tax: Custom Duty			\$76,238		
Indirect Bus Tax: Fed NonTaxes			\$125,845		
Corporate Profits Tax					\$628,651
Personal Tax: Income Tax				\$461,122	
Total Federal Tax	\$1,174,028	\$121,876	\$365,786	\$461,122	\$628,651

Tourism

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	7	\$173,904	\$276,835	\$512,063	\$962,802
Indirect Effect	1	\$28,219	\$46,712	\$91,088	\$166,019
Induced Effect	1	\$31,907	\$63,222	\$105,637	\$200,766
Total Effect	9	\$234,031	\$386,769	\$708,788	\$1,329,588

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$1,778
Social Ins Tax- Employee Contribution	\$90	\$0			
Social Ins Tax- Employer Contribution	\$385				
Indirect Bus Tax: Sales Tax			\$14,704		
Indirect Bus Tax: Property Tax			\$15,996		
Indirect Bus Tax: Motor Vehicle Lic			\$393		
Indirect Bus Tax: Severance Tax			\$0		
Indirect Bus Tax: Other Taxes			\$5,631		
Indirect Bus Tax: S/L NonTaxes			\$930		
Corporate Profits Tax					\$826
Personal Tax: Income Tax				\$6,791	
Personal Tax: NonTaxes (Fines- Fees				\$1,214	
Personal Tax: Motor Vehicle License				\$207	
Personal Tax: Property Taxes				\$87	
Personal Tax: Other Tax (Fish/Hunt)				\$34	
Total State and Local Tax	\$475	\$0	\$37,655	\$8,333	\$2,604
Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$13,340	\$1,557			
Social Ins Tax- Employer Contribution	\$13,491				
Indirect Bus Tax: Excise Taxes			\$2,889		
Indirect Bus Tax: Custom Duty			\$1,345		
Indirect Bus Tax: Fed NonTaxes			\$2,221		
Corporate Profits Tax					\$3,988
Personal Tax: Income Tax				\$14,367	
Total Federal Tax	\$26,831	\$1,557	\$6,455	\$14,367	\$3,988

Total

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	456	\$12,082,591	\$27,861,086	\$47,156,867	\$87,100,544
Indirect Effect	60	\$2,286,575	\$3,829,223	\$7,155,347	\$13,271,145
Induced Effect	51	\$1,502,086	\$3,248,739	\$5,367,327	\$10,118,152
Total Effect	567	\$15,871,254	\$34,939,050	\$59,679,548	\$110,489,852

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$260,304
Social Ins Tax- Employee Contribution	\$6,953	\$0			
Social Ins Tax- Employer Contribution	\$29,910				
Indirect Bus Tax: Sales Tax			\$1,428,693		
Indirect Bus Tax: Property Tax			\$1,702,527		
Indirect Bus Tax: Motor Vehicle Lic			\$33,753		
Indirect Bus Tax: Severance Tax			\$588		
Indirect Bus Tax: Other Taxes			\$385,643		
Indirect Bus Tax: S/L NonTaxes			\$152,155		
Corporate Profits Tax					\$102,445
Personal Tax: Income Tax				\$289,571	
Personal Tax: NonTaxes (Fines- Fees				\$39,981	
Personal Tax: Motor Vehicle License				\$10,532	
Personal Tax: Property Taxes				\$6,313	
Personal Tax: Other Tax (Fish/Hunt)				\$2,163	
Total State and Local Tax	\$36,862	\$0	\$3,703,360	\$348,560	\$362,749

Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$766,947	\$185,480			
Social Ins Tax- Employer Contribution	\$775,616				
Indirect Bus Tax: Excise Taxes			\$183,906		
Indirect Bus Tax: Custom Duty			\$85,647		
Indirect Bus Tax: Fed NonTaxes			\$141,376		
Corporate Profits Tax					\$677,060
Personal Tax: Income Tax				\$678,378	
Total Federal Tax	\$1,542,564	\$185,481	\$410,929	\$678,378	\$677,060

Total Lower Eastern Shore Impact

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	761	\$20,910,685	\$46,333,049	\$83,147,438	\$150,391,172
Indirect Effect	100	\$3,859,000	\$6,363,291	\$11,885,405	\$22,107,696
Induced Effect	81	\$2,280,921	\$5,110,909	\$8,388,883	\$15,780,713
Total Effect	942	\$27,050,608	\$57,807,260	\$103,421,737	\$188,279,605

State and Local Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Dividends					\$420,156
Social Ins Tax- Employee Contribution	\$12,032	\$0			
Social Ins Tax- Employer Contribution	\$51,762				
Indirect Bus Tax: Sales Tax			\$2,274,516		
Indirect Bus Tax: Property Tax			\$2,716,499		
Indirect Bus Tax: Motor Vehicle Lic			\$53,555		
Indirect Bus Tax: Severance Tax			\$961		
Indirect Bus Tax: Other Taxes			\$607,383		
Indirect Bus Tax: S/L NonTaxes			\$244,748		
Corporate Profits Tax					\$164,554
Personal Tax: Income Tax				\$467,576	
Personal Tax: NonTaxes (Fines- Fees				\$61,324	
Personal Tax: Motor Vehicle License				\$17,464	
Personal Tax: Property Taxes				\$10,868	
Personal Tax: Other Tax (Fish/Hunt)				\$3,691	
Total State and Local Tax	\$63,792	\$0	\$5,897,663	\$560,922	\$584,710
Federal Fiscal Impact					
Description	Employee Compensation	Proprietor Income	Indirect Business Tax	Households	Corporations
Social Ins Tax- Employee Contribution	\$1,295,267	\$338,969			
Social Ins Tax- Employer Contribution	\$1,309,907				
Indirect Bus Tax: Excise Taxes			\$288,968		
Indirect Bus Tax: Custom Duty			\$134,575		
Indirect Bus Tax: Fed NonTaxes			\$222,141		
Corporate Profits Tax					\$1,096,887
Personal Tax: Income Tax				\$1,115,593	
Total Federal Tax	\$2,605,176	\$338,970	\$645,684	\$1,115,593	\$1,096,887

Impact Outside of LES Region

Operations

Impact Type	Employment	Labor Income	Total Value Added	Output	Total
Direct Effect	296	\$12,617,770	\$22,604,190	\$43,424,100	\$78,646,060
Indirect Effect	163	\$9,790,315	\$16,148,290	\$32,294,600	\$58,233,205
Induced Effect	246	\$11,531,040	\$20,419,090	\$38,401,360	\$70,351,490
Total Effect	704	\$33,939,120	\$59,171,560	\$114,120,100	\$207,230,780

Total Fiscal Impacts

State/Local	\$6,320,727
Federal	\$7,546,449