

Halifax Central Library An Economic Impact Assessment



Prepared by
Canmac Economics Limited
July, 2009

Executive Summary

The purpose of this report is to document the economic impact of the proposed Central Library Project.

Canmac's assessment of the project's economic impact is estimated by simulating the construction and operational expenditures using the Nova Scotia Input-Output Model.

The major findings of this report are as follows:

1. During the construction phase the project will create:
 - Total employment of 422 jobs.
 - Total household income of \$16,752,042.
 - Total Provincial Gross Domestic Product of \$40,605,371.
2. For a typical year of operation the project will create:
 - Total employment of 175 jobs.
 - Total household income of \$7,702,345.
 - Total Provincial Gross Domestic Product of \$11,102,394.
3. Over 13 years the project will create, through the Federal share, incremental household income benefits of \$16,478,011.
4. In addition to the economic impact, the project has significant legacy impacts. The Central Library Project will:
 - Build a strong urban core – a key component of the HRM economic development strategy.
 - Provide the necessary economic infrastructure for developing HRM's creative economy.
 - Revitalize the business district where it is located.

Chapter 1 – Introduction

1.1 Introduction

The purpose of this report is to provide an economic impact assessment of the proposed Central Library Project. More specifically, the impact assessment addresses the total economic impact as follows:

- Direct impacts include the jobs and income generated by the project.
- Indirect impacts include the production, employment and income changes occurring in other businesses/industries in the community that supplies inputs to the project industry.
- Induced impacts include the effects of spending by the households in the local economy as the result of direct and indirect effects from the project.

In addition to the economic impact, legacy impacts are also examined.

1.2 Overview

The Halifax Central Library Project is intended to replace the current Spring Garden Road Memorial Library, as the current library is no longer able to provide an adequate level of service. The new Central Library will act as a resource center for the people of the Halifax Regional Municipality (HRM), a

driver for the economic revitalization of the downtown area, as well as a new attraction for tourists visiting the Halifax Regional Municipality.

The planned facility will be much better able to meet current and future demand for both traditional and evolving library services such as an increasing focus by libraries on technological services.

Components

The planned facility will be approximately 108,740 square feet and will include:

- 7 day, 70 hour a week operating schedule;
- larger collection, with 200,000 adult, 15,000 teen and 100,000 children copies;
- 285 adult and teen computers, plus 50 children computers;
- seating for 555 adults, 60 teens and 100 children;
- 14 meeting/study rooms, seating 488 people and;
- 1 auditorium with seating for 250.

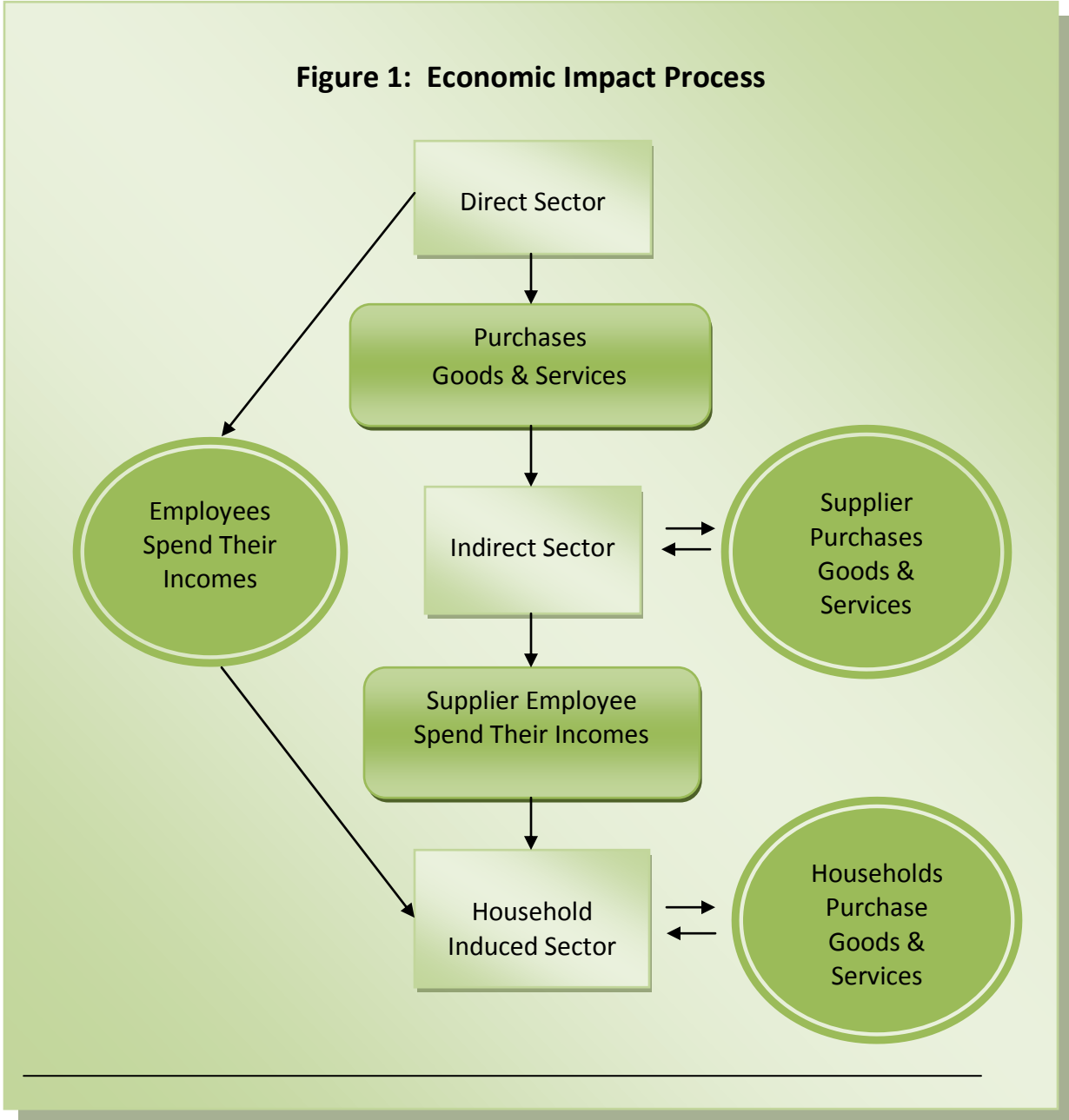
1.3 Methodology

Our economic impact assessment determines the economic importance of the sector by measuring key impact indicators which include:

- Employment
- Household Income
- Gross Domestic Product

These are measured as the sum of direct, indirect and induced effects. Figure 1 provides a schematic of the I-O model process. Canmac's approach assembles the client data into a consistent accounting format and then conducts a simulation with the Nova Scotia Input-Output Model. Impact simulations trace out the indirect and induced effects.

The economic impact assessment is completed for two phases, 1) the construction phase, and 2) the operations phase. The economic impact assessment measures the increase in provincial Gross Domestic Product (GDP), employment (full time equivalents) and household income. The impact analysis also measures the major fiscal revenues (Federal and Provincial) emanating from the economic assessment. Finally, the report provides in a qualitative way the legacy impact of the project.



Chapter 2 – Economic Impact

2.1 *Introduction*

This chapter sets out the economic impact assessment. The economic impact associated with the Central Library Project is the sum of the construction phase and operational phase. The construction phase is a short term impact whereas the operational phase provides benefits on an annual basis over the life of the project. The next section provides the construction impact, while Section 2.3 provides the operational impact, Section 2.4 provides the fiscal impact, Section 2.5 discusses the legacy impact and finally Section 2.6 discusses the summary and conclusions of the Central Library Project.

2.2 *Construction Impact*

The construction phase economic impact was simulated using the latest Nova Scotia Input-Output Model developed by Canmac Economics Limited for the Nova Scotia Department of Finance. The model is based on Statistics Canada's input-output data. Table 2.1 outlines the major construction costs of the new Central Library. Overall the construction project costs \$42.0 million (2008\$).

Table 2.1 Construction Phase – Central Library Project			
Description	Area	Rate	Cost
Program Areas	81,113 SF	\$104.80	\$8,502,000
Gross Up Areas	27,783 SF	\$81.60	\$2,266,000
Shelled Costs	108,896 SF	\$145.00	\$15,790,000
Additional Costs and Allowances			\$8,468,000
Total Construction Costs	108,896 SF	\$321.60	\$35,026,000
Ancillaries and Soft Costs	108,896 SF	\$64.33	\$7,005,000
Total Project Costs	108,896 SF		\$42,031,000
Note: Additional Costs and Allowances includes items such as LEED certification, Landscaping, etc.			
Source: Halifax Central Library Building Program and Space Requirements, June 2008, HOK Planning Group			

Table 2.2 provides the construction impact results. The appendix provides more detailed results. The construction project is expected to be completed in three years. The total impact is expected to generate:

- 422 person years of employment;
- \$16.8 million in household income; and
- \$40.6 million in GDP.

Table 2.2 Construction Phase – Central Library Project		
Impact	Direct	Total
Employment	223.00	422.00
Household Income (millions)	\$9.85	\$16.75
Gross Domestic Product (millions)	\$12.32	\$40.61
Source: Calculated by Canmac Economics Limited.		

2.3 Operational Impact

The operation of the new library facility provides additional economic output, employment and income on an annual basis over the life of the project. Table 2.3 provides estimates of the total operating costs. For the life of the project, annual operating costs are \$7.3 million (2008\$).

Description	Cost
Operating Costs & Supplies	\$1,589,819
Wage Bill	\$5,660,757
Total	\$7,250,576
Source: Provided by Halifax Public Libraries	

Table 2.4 presents the impact results. For a typical year of operation, the Central Library creates:

- Total household income of \$7,702,345.
- Total GDP of \$11,102,394, and
- Total employment of 175.1 full time equivalent jobs.

Benefit	Direct Impact	Total (Direct & Spin-off) Impact
Household Income	\$5,660,757	\$7,702,345
Employment (Jobs)	113.6	175.1
GDP	\$6,273,494	\$11,102,394
Federal Tax Revenue	\$827,659	\$1,126,159
Provincial Tax Revenue	\$832,143	\$1,132,261
Source: Calculated by Canmac Economics Limited		

2.4 Fiscal Impact

In addition to the impact economic activity has on household income, GDP and employment, governments are able to generate revenues through taxes arising from the economic activity. Those taxes are accounted for in this report at both the Federal and Provincial levels. The Federal and Provincial governments are able to generate tax revenues through income taxes on wages earned during both the construction and operating phases as well as through taxes on supplies purchased to construct and operate the new Central Library.

The Federal Government will generate \$2,449,315 in total taxes during the construction phase of the new Central Library and will also continue to generate \$1,126,159 yearly through the operation of the library. Provincially, the government will generate \$2,462,585 during the construction phase and \$1,132,261 yearly while the library is in operation. A detailed breakdown of the

fiscal impact of the Central Library is found in Table 2.5. The I-O Model output printouts found in the appendices give a further breakdown of Table 2.5 including the amount of income tax generated.

Table 2.5 Fiscal Impact – Central Library Project					
Federal			Provincial		
Direct	Indirect	Total	Direct	Indirect	Total
Construction Phase					
\$1,439,978	\$1,009,337	\$2,449,315	\$1,447,780	\$1,014,805	\$2,462,585
Operating Phase					
\$827,659	\$298,501	\$1,126,159	\$832,143	\$300,118	\$1,132,261
Source: Calculated by Canmac Economics Limited					

2.5 Legacy Impacts

In addition to the construction and operational economic impacts associated with the Central Library Project, there are a number of legacy impacts. Legacy impacts refer to the contribution of the library project to the broader long term social and economic goals of the HRM. Legacy impacts are, by definition, more qualitative than the construction and operational impacts.

The HRM Central Library Project is a major addition to the HRM’s Art and Culture Sector and knowledge infrastructure. Table 2.6 compares the current library circulation with other capital cities. As shown in Table 2.6, Halifax Public Libraries is one of the busiest library systems in Canada with a circulation of 4.6 million. On a per capita basis, the Halifax library circulation is the third highest for capital cities.

Cities	Circulation	Circulation Per Capita
Edmonton Public Library	9,639,141	13.198
Halifax Public Libraries	4,641,711	12.449
Hamilton Public Library	4,704,842	9.325
Laval Biblioteques de	2,729,317	7.251
Regina Public Library	2,639,971	14.117
Toronto Public Library	28,925,965	11.555
Vancouver Public Library	7,566,168	12.369
Winnipeg Public Library	5,431,786	8.575
Source: Canadian Urban Libraries Council Data		

Table 2.7 shows growth over time. Visitors to the Spring Garden Road Memorial Public Library increased from 382,764 in 1999–2000 to 428,430 in 2008–2009, an 11.93% increase.

	Visits (In-person)		Circulation	
	Spring Garden Road	System-Wide	Spring Garden Road	System-Wide
1999/2000	382,764	1,973,877	585,856	3,481,665
2000/2001	388,250	1,959,178	585,401	3,496,490
2001/2002	423,888	2,120,009	600,020	3,880,678
2002/2003	433,145	2,229,986	642,677	4,362,100
2003/2004	427,914	2,313,004	631,689	4,298,089
2004/2005	449,421	2,391,849	635,037	4,470,926
2005/2006	448,660	2,472,379	663,514	4,638,572
2006/2007	414,274	2,365,903	674,870	4,582,175
2007/2008	418,118	2,369,249	698,085	4,641,711
2008/2009	428,430	2,372,967	717,856	4,826,701
% Change	11.93%	20.22%	22.53%	38.63%

Source: Halifax Public Libraries

Based on a review of the central library projects in other areas the major legacy benefits are as follows.

- 1) Building a strong urban core.
- 2) Economic infrastructure for the creative economy.
- 3) Revitalization of business districts.

Building a strong urban core

The HRM’s economic development strategy involves the development of a strong urban core as a strategy to attract visitors to the Halifax region. The proposed Central Library Project is a key component of this strategy. A recent report completed for the HRM – “HRM Capital District Public Facilities Needs &

Opportunities Strategies” concluded in its review of development strategies in other cities:

“In both London and Victoria, the redevelopment of a central library has been a core element in downtown facilities planning. In both cases the library is (or will be) integrated with other uses in a mixed-use development. The location of the library amidst retail uses is seen as mutually beneficial because each attracts a high pedestrian traffic.”

Economic Infrastructure for the Creative Economy

Urban economies, like the HRM, to be successful in the future will move increasingly from an industrial economy to a creative economy. As the city moves in this direction, the importance of a central library increases in value. A central library becomes a basic economic infrastructure required to grow the creative economy in much the same way that roads support port activity.

Urban Neighbourhood Impacts

The Central Library Project will have direct employment of 114 and attract millions of visits on an annual basis. Both of these effects will significantly enhance and revitalize the downtown neighbourhood that the facility is located in.

2.6 Summary & Conclusions

The HRM Central Library Project provides significant economic benefits to the HRM. The project creates total construction household income of \$16,752,042 and operational household income for a typical year of \$7,702,345. As shown in Table 2.8, over the construction period and the ten year period after, the facility becomes operational; the project in net present value terms creates \$49,434,035 in benefits. From a regional perspective, the financial support from the HRM and Nova Scotia results from household income taxes that would likely have alternative expenditure options in the regional economy. Hence the federal share (1/3) is the portion that would be considered incremental to the region. Given the projected Federal government's share of 1/3 (\$14.01 million), the incremental household income from the Central Library is 1/3 of \$49,434,035 or \$16,478,011.

Phase	Year	Household Income	Employment (jobs)	GDP
Construction	1	\$4,188,010	105.5	\$10,151,343
Construction	2	\$8,376,021	211	\$20,302,685
Construction	3	\$4,188,010	105.5	\$10,151,343
Operation	4	\$7,702,345	175.1	\$11,102,394
Operation	5	\$7,702,345	175.1	\$11,102,394
Operation	6	\$7,702,345	175.1	\$11,102,394
Operation	7	\$7,702,345	175.1	\$11,102,394
Operation	8	\$7,702,345	175.1	\$11,102,394
Operation	9	\$7,702,345	175.1	\$11,102,394
Operation	10	\$7,702,345	175.1	\$11,102,394
Operation	11	\$7,702,345	175.1	\$11,102,394
Operation	12	\$7,702,345	175.1	\$11,102,394
Operation	13	\$7,702,345	175.1	\$11,102,394
	NPV	\$49,434,035		\$84,888,675

Note: All figures are in 2008 dollars, exclusive of inflation.
 Note: NPV is Net Present Value of the Project using a 10% discount rate.
 Source: Calculated by Canmac Economics Limited

Hence, for every \$1 spent on Federal construction, the project creates \$1.176 in household income.

APPENDIX A
DETAILED IMPACT ANALYSIS
CONSTRUCTION OVER 3 YEARS

Note! Only values (cells) with a yellow background are changeable.

Specify \$ Value Producer \$ Purchaser \$ with a Y/N >>> N Y

GENERAL DATA ENTRY:

Enter Impact Value in dollars for all applicable industries in column B, when complete specify the type of dollar data that was entered by entering a Y(ese) or N(o) below Producer \$. Producer \$'s are the cost of producing the output, this excluded Margins and Taxes. If you enter anything other than a Y(ese) then by default the data is considered Purchaser \$'s and will be stripped of margins and taxes prior to impact.

DIRECT EMPLOYMENT

If you have a value entered for industry 44: Household Income you should enter the "Direct" employment associated with the household income. If you fail to specify Household income related direct employment then the default direct employment (household income / \$34,269.04 (2007 NS AAW)) will be used.

Direct Employment related to Household Income

Default	Actual
0.0	0.0
AAW	AAW
\$32,269.04	#DIV/0!

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Industry Impact Input (\$)	Impact \$'s
1 Crop and Animal Production	\$0.0
2 Forestry and Logging	\$0.0
3 Fishing, Hunting and Trapping	\$0.0
4 Support Activities for Agriculture and Forestry	\$0.0
5 Mining (Except Oil and Gas)	\$0.0
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$0.0
7 Electric Power Generation, Transmission and Distribution	\$0.0
8 Natural Gas Distribution, Water and Other Systems	\$0.0
9 Construction	\$29,772,100.0
10 Food Manufacturing	\$0.0
11 Textile and Textile Product	\$0.0
12 Wood Product Manufacturing	\$0.0
13 Paper Manufacturing	\$0.0
14 Fabricated Metal Product Manufacturing	\$0.0
15 Miscellaneous Manufacturing	\$0.0
16 Wholesale Trade	\$3,502,500.0
17 Retail Trade	\$0.0
18 Truck Transportation	\$0.0
19 Warehousing and Storage, Other Transportation	\$0.0
20 Postal Service and Couriers and Messengers	\$0.0
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0.0
22 Publishing Industries, Information Services and Data Processing Service	\$0.0
23 Finance, Insurance, Real Estate and Rental and Leasing	\$0.0
24 Professional, Scientific and Technical Services	\$0.0
25 Administrative and Support Services	\$0.0
26 Waste Management and Remediation Services	\$0.0
27 Education Services	\$0.0
28 Health Care and Social Assistance	\$0.0
29 Arts, Entertainment and Recreation	\$0.0
30 Accommodation and Food Services	\$0.0
31 Repair and Maintenance	\$0.0
32 Grant-Making, Civic, and Professional and Similar Organizations	\$0.0
33 Personal and Laundry Services and Private Households	\$0.0
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0.0
35 Travel, Entertainment, Advertising and Promotion	\$0.0
36 Transportation Margins	\$0.0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$0.0
38 Non-Profit Education Institutions	\$0.0
39 Hospitals and Residential Care Facilities	\$0.0
40 Education	\$0.0
41 Other Municipal Government Services	\$0.0
42 Other Provincial and Territorial Government Services	\$0.0
43 Other Federal Government, including Defence services	\$0.0
44 Household Income	\$0.0
Total	\$33,274,600.0

Note: I-O Model Inputs, Hard construction costs were discounted 15% and ancillaries and soft were discounted 50% to account for margins.

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Economic Impact	Total Output \$	Household Income (\$)	Employment (Jobs)	GDP@Market Prices (\$)
Direct impact	\$30,885,944	\$9,848,702	223.1	\$12,318,915
Spinoff impact	\$39,445,019	\$6,903,340	188.9	\$28,286,455
Total Impact	\$70,330,963	\$16,752,042	422.0	\$40,605,371
Fiscal Impact	Federal Income Tax Revenue (\$)	Total Federal Tax Revenue (\$)	Provincial Income Tax Revenue (\$)	Total Provincial Tax Revenue (\$)
Direct impact	\$856,554	\$1,439,978	\$571,903	\$1,447,780
Spinoff impact	\$600,392	\$1,009,337	\$400,869	\$1,014,805
Total Impact	\$1,456,947	\$2,449,315	\$972,773	\$2,462,585

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Direct Economic Impact	Total Output \$ (impact input)	Household Income (\$)	Employment (jobs)	GDP@Market Prices (\$)
Industry				
1 Crop and Animal Production	\$0	\$0	0.0	\$0
2 Forestry and Logging	\$0	\$0	0.0	\$0
3 Fishing, Hunting and Trapping	\$0	\$0	0.0	\$0
4 Support Activities for Agriculture and Forestry	\$0	\$0	0.0	\$0
5 Mining (Except Oil and Gas)	\$0	\$0	0.0	\$0
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$0	\$0	0.0	\$0
7 Electric Power Generation, Transmission and Distribution	\$0	\$0	0.0	\$0
8 Natural Gas Distribution, Water and Other Systems	\$0	\$0	0.0	\$0
9 Construction	\$27,460,629	\$8,557,902	190.6	\$10,322,786
10 Food Manufacturing	\$0	\$0	0.0	\$0
11 Textile and Textile Product	\$0	\$0	0.0	\$0
12 Wood Product Manufacturing	\$0	\$0	0.0	\$0
13 Paper Manufacturing	\$0	\$0	0.0	\$0
14 Fabricated Metal Product Manufacturing	\$0	\$0	0.0	\$0
15 Miscellaneous Manufacturing	\$0	\$0	0.0	\$0
16 Wholesale Trade	\$3,425,315	\$1,290,800	32.6	\$1,996,129
17 Retail Trade	\$0	\$0	0.0	\$0
18 Truck Transportation	\$0	\$0	0.0	\$0
19 Warehousing and Storage, Other Transportation	\$0	\$0	0.0	\$0
20 Postal Service and Couriers and Messengers	\$0	\$0	0.0	\$0
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0	\$0	0.0	\$0
22 Publishing Industries, Information Services and Data Processing Service	\$0	\$0	0.0	\$0
23 Finance, Insurance, Real Estate and Rental and Leasing	\$0	\$0	0.0	\$0
24 Professional, Scientific and Technical Services	\$0	\$0	0.0	\$0
25 Administrative and Support Services	\$0	\$0	0.0	\$0
26 Waste Management and Remediation Services	\$0	\$0	0.0	\$0
27 Education Services	\$0	\$0	0.0	\$0
28 Health Care and Social Assistance	\$0	\$0	0.0	\$0
29 Arts, Entertainment and Recreation	\$0	\$0	0.0	\$0
30 Accommodation and Food Services	\$0	\$0	0.0	\$0
31 Repair and Maintenance	\$0	\$0	0.0	\$0
32 Grant-Making, Civic, and Professional and Similar Organizations	\$0	\$0	0.0	\$0
33 Personal and Laundry Services and Private Households	\$0	\$0	0.0	\$0
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	0.0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	0.0	\$0
36 Transportation Margins	\$0	\$0	0.0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$0	\$0	0.0	\$0
38 Non-Profit Education Institutions	\$0	\$0	0.0	\$0
39 Hospitals and Residential Care Facilities	\$0	\$0	0.0	\$0
40 Education	\$0	\$0	0.0	\$0
41 Other Municipal Government Services	\$0	\$0	0.0	\$0
42 Other Provincial and Territorial Government Services	\$0	\$0	0.0	\$0
43 Other Federal Government, including Defence services	\$0	\$0	0.0	\$0
44 Households	\$0	\$0	0.0	\$0
Total	\$30,885,944	\$9,848,702	223.1	\$12,318,915

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Spinoff (indirect + Induced) Economic Impact	Total Output \$ (impact input)	Household Income (\$)	Employment (jobs)	GDP@Market Prices (\$)
Industry				
1 Crop and Animal Production	\$203,867	\$38,723	2.5	\$76,518
2 Forestry and Logging	\$192,480	\$59,307	1.7	\$92,854
3 Fishing, Hunting and Trapping	\$51,817	\$19,199	0.3	\$26,989
4 Support Activities for Agriculture and Forestry	\$30,821	\$9,439	0.3	\$15,044
5 Mining (Except Oil and Gas)	\$102,679	\$35,801	0.7	\$91,593
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$640,063	\$35,965	0.5	\$488,332
7 Electric Power Generation, Transmission and Distribution	\$499,404	\$66,341	1.2	\$328,397
8 Natural Gas Distribution, Water and Other Systems	\$34,891	\$12,896	0.2	\$21,592
9 Construction	\$314,708	\$98,076	2.2	\$118,303
10 Food Manufacturing	\$391,703	\$60,984	1.7	\$92,147
11 Textile and Textile Product	\$25,819	\$4,591	0.1	\$12,270
12 Wood Product Manufacturing	\$492,542	\$91,420	2.5	\$185,984
13 Paper Manufacturing	\$82,527	\$17,022	0.2	\$19,564
14 Fabricated Metal Product Manufacturing	\$523,842	\$170,085	4.1	\$196,246
15 Miscellaneous Manufacturing	\$2,115,011	\$365,045	8.0	\$644,337
16 Wholesale Trade	\$1,266,627	\$477,317	12.0	\$738,137
17 Retail Trade	\$1,904,582	\$956,491	42.1	\$1,197,150
18 Truck Transportation	\$224,237	\$81,958	2.2	\$110,877
19 Warehousing and Storage, Other Transportation	\$452,982	\$165,894	4.3	\$209,148
20 Postal Service and Couriers and Messengers	\$146,211	\$106,855	2.7	\$92,774
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$685,076	\$160,291	3.8	\$464,897
22 Publishing Industries, Information Services and Data Processing Service	\$175,002	\$65,670	1.8	\$90,842
23 Finance, Insurance, Real Estate and Rental and Leasing	\$4,664,810	\$1,336,797	13.7	\$3,264,400
24 Professional, Scientific and Technical Services	\$1,508,897	\$700,980	17.8	\$845,700
25 Administrative and Support Services	\$660,494	\$390,074	14.2	\$451,485
26 Waste Management and Remediation Services	\$76,964	\$28,504	1.0	\$50,915
27 Education Services	\$43,622	\$28,681	1.4	\$31,837
28 Health Care and Social Assistance	\$303,458	\$206,439	5.7	\$240,651
29 Arts, Entertainment and Recreation	\$176,506	\$53,023	3.6	\$79,007
30 Accommodation and Food Services	\$643,841	\$235,827	14.6	\$300,909
31 Repair and Maintenance	\$251,370	\$109,608	4.8	\$145,662
32 Grant-Making, Civic, and Professional and Similar Organizations	\$64,064	\$36,616	1.1	\$40,896
33 Personal and Laundry Services and Private Households	\$241,638	\$127,547	11.0	\$159,367
34 Operating, Office, Cafeteria and Laboratory Supplies	\$1,334,345	\$0	0.0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$895,717	\$0	0.0	\$0
36 Transportation Margins	\$298,953	\$0	0.0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$306,111	\$184,916	6.6	\$193,379
38 Non-Profit Education Institutions	\$10,695	\$8,027	0.2	\$8,363
39 Hospitals and Residential Care Facilities	\$87,603	\$61,443	1.5	\$64,031
40 Education	\$238,100	\$175,675	3.7	\$187,916
41 Other Municipal Government Services	\$105,757	\$36,807	1.3	\$53,842
42 Other Provincial and Territorial Government Services	\$126,757	\$36,090	0.7	\$48,962
43 Other Federal Government, including Defence services	\$96,385	\$46,916	0.7	\$53,098
44 Households	\$16,752,042	\$0	0.0	\$16,752,042
Total	\$39,445,019	\$6,903,340	198.9	\$28,286,455

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Total Economic Impact	Total Output \$ (impact input)	Household Income (\$)	Employment (jobs)	GDP@Market Prices (\$)
Industry				
1 Crop and Animal Production	\$203,867	\$38,723	2.5	\$76,518
2 Forestry and Logging	\$192,480	\$59,307	1.7	\$92,854
3 Fishing, Hunting and Trapping	\$51,817	\$19,199	0.3	\$26,989
4 Support Activities for Agriculture and Forestry	\$30,821	\$9,439	0.3	\$15,044
5 Mining (Except Oil and Gas)	\$102,679	\$35,801	0.7	\$91,593
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extrac	\$640,063	\$35,965	0.5	\$488,332
7 Electric Power Generation, Transmission and Distribution	\$499,404	\$66,341	1.2	\$328,397
8 Natural Gas Distribution, Water and Other Systems	\$34,891	\$12,896	0.2	\$21,592
9 Construction	\$27,775,338	\$8,655,978	192.7	\$10,441,089
10 Food Manufacturing	\$391,703	\$60,984	1.7	\$92,147
11 Textile and Textile Product	\$25,819	\$4,591	0.1	\$12,270
12 Wood Product Manufacturing	\$492,542	\$91,420	2.5	\$185,984
13 Paper Manufacturing	\$82,527	\$17,022	0.2	\$19,564
14 Fabricated Metal Product Manufacturing	\$523,842	\$170,085	4.1	\$196,246
15 Miscellaneous Manufacturing	\$2,115,011	\$365,045	8.0	\$644,337
16 Wholesale Trade	\$4,691,942	\$1,768,117	44.6	\$2,734,266
17 Retail Trade	\$1,904,582	\$956,491	42.1	\$1,197,150
18 Truck Transportation	\$224,237	\$81,958	2.2	\$110,877
19 Warehousing and Storage, Other Transportation	\$452,982	\$165,894	4.3	\$209,148
20 Postal Service and Couriers and Messengers	\$146,211	\$106,855	2.7	\$92,774
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$685,076	\$160,291	3.8	\$464,897
22 Publishing Industries, Information Services and Data Processing Service	\$175,002	\$65,670	1.8	\$90,842
23 Finance, Insurance, Real Estate and Rental and Leasing	\$4,664,810	\$1,336,797	13.7	\$3,264,400
24 Professional, Scientific and Technical Services	\$1,508,897	\$700,980	17.8	\$845,700
25 Administrative and Support Services	\$660,494	\$390,074	14.2	\$451,485
26 Waste Management and Remediation Services	\$76,964	\$28,504	1.0	\$50,915
27 Education Services	\$43,622	\$28,681	1.4	\$31,837
28 Health Care and Social Assistance	\$303,458	\$206,439	5.7	\$240,651
29 Arts, Entertainment and Recreation	\$176,506	\$53,023	3.6	\$79,007
30 Accommodation and Food Services	\$643,841	\$235,827	14.6	\$300,909
31 Repair and Maintenance	\$251,370	\$109,608	4.8	\$145,662
32 Grant-Making, Civic, and Professional and Similar Organizations	\$64,064	\$36,616	1.1	\$40,896
33 Personal and Laundry Services and Private Households	\$241,638	\$127,547	11.0	\$159,367
34 Operating, Office, Cafeteria and Laboratory Supplies	\$1,334,345	\$0	0.0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$895,717	\$0	0.0	\$0
36 Transportation Margins	\$298,953	\$0	0.0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$306,111	\$184,916	6.6	\$193,379
38 Non-Profit Education Institutions	\$10,695	\$8,027	0.2	\$8,363
39 Hospitals and Residential Care Facilities	\$87,603	\$61,443	1.5	\$64,031
40 Education	\$238,100	\$175,675	3.7	\$187,916
41 Other Municipal Government Services	\$105,757	\$36,807	1.3	\$53,842
42 Other Provincial and Territorial Government Services	\$126,757	\$36,090	0.7	\$48,962
43 Other Federal Government, including Defence services	\$96,385	\$46,916	0.7	\$53,098
44 Households	\$16,752,042	\$0	0.0	\$16,752,042
Total	\$70,330,963	\$16,752,042	422.0	\$40,605,371

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Direct Provincial Fiscal Impact	Provincial Income Tax (\$)	Provincial Sales Tax (\$)	Other Provincial Taxes (\$)	Total Provincial Taxes (\$)
Industry				
1 Crop and Animal Production	\$0	\$0	\$0	\$0
2 Forestry and Logging	\$0	\$0	\$0	\$0
3 Fishing, Hunting and Trapping	\$0	\$0	\$0	\$0
4 Support Activities for Agriculture and Forestry	\$0	\$0	\$0	\$0
5 Mining (Except Oil and Gas)	\$0	\$0	\$0	\$0
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$0	\$0	\$0	\$0
7 Electric Power Generation, Transmission and Distribution	\$0	\$0	\$0	\$0
8 Natural Gas Distribution, Water and Other Systems	\$0	\$0	\$0	\$0
9 Construction	\$496,948	\$420,743	\$340,339	\$1,258,029
10 Food Manufacturing	\$0	\$0	\$0	\$0
11 Textile and Textile Product	\$0	\$0	\$0	\$0
12 Wood Product Manufacturing	\$0	\$0	\$0	\$0
13 Paper Manufacturing	\$0	\$0	\$0	\$0
14 Fabricated Metal Product Manufacturing	\$0	\$0	\$0	\$0
15 Miscellaneous Manufacturing	\$0	\$0	\$0	\$0
16 Wholesale Trade	\$74,955	\$63,461	\$51,334	\$189,750
17 Retail Trade	\$0	\$0	\$0	\$0
18 Truck Transportation	\$0	\$0	\$0	\$0
19 Warehousing and Storage, Other Transportation	\$0	\$0	\$0	\$0
20 Postal Service and Couriers and Messengers	\$0	\$0	\$0	\$0
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0	\$0	\$0	\$0
22 Publishing Industries, Information Services and Data Processing Service	\$0	\$0	\$0	\$0
23 Finance, Insurance, Real Estate and Rental and Leasing	\$0	\$0	\$0	\$0
24 Professional, Scientific and Technical Services	\$0	\$0	\$0	\$0
25 Administrative and Support Services	\$0	\$0	\$0	\$0
26 Waste Management and Remediation Services	\$0	\$0	\$0	\$0
27 Education Services	\$0	\$0	\$0	\$0
28 Health Care and Social Assistance	\$0	\$0	\$0	\$0
29 Arts, Entertainment and Recreation	\$0	\$0	\$0	\$0
30 Accommodation and Food Services	\$0	\$0	\$0	\$0
31 Repair and Maintenance	\$0	\$0	\$0	\$0
32 Grant-Making, Civic, and Professional and Similar Organizations	\$0	\$0	\$0	\$0
33 Personal and Laundry Services and Private Households	\$0	\$0	\$0	\$0
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36 Transportation Margins	\$0	\$0	\$0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$0	\$0	\$0	\$0
38 Non-Profit Education Institutions	\$0	\$0	\$0	\$0
39 Hospitals and Residential Care Facilities	\$0	\$0	\$0	\$0
40 Education	\$0	\$0	\$0	\$0
41 Other Municipal Government Services	\$0	\$0	\$0	\$0
42 Other Provincial and Territorial Government Services	\$0	\$0	\$0	\$0
43 Other Federal Government, including Defence services	\$0	\$0	\$0	\$0
44 Households	\$0	\$0	\$0	\$0
Total	\$571,903	\$484,204	\$391,672	\$1,447,780

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Spinoff (indirect + induced) Provincial Fiscal Impact		Provincial	Provincial Sales	Other Provincial	Total Provincial
		Income Tax (\$)	Tax (\$)	Taxes (\$)	Taxes (\$)
Industry					
1	Crop and Animal Production	\$2,249	\$1,904	\$1,540	\$5,692
2	Forestry and Logging	\$3,444	\$2,916	\$2,359	\$8,718
3	Fishing, Hunting and Trapping	\$1,115	\$944	\$764	\$2,822
4	Support Activities for Agriculture and Forestry	\$548	\$464	\$375	\$1,388
5	Mining (Except Oil and Gas)	\$2,079	\$1,760	\$1,424	\$5,263
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extracti	\$2,088	\$1,768	\$1,430	\$5,287
7	Electric Power Generation, Transmission and Distribution	\$3,852	\$3,262	\$2,638	\$9,752
8	Natural Gas Distribution, Water and Other Systems	\$749	\$634	\$513	\$1,896
9	Construction	\$5,695	\$4,822	\$3,900	\$14,417
10	Food Manufacturing	\$3,541	\$2,998	\$2,425	\$8,965
11	Textile and Textile Product	\$267	\$226	\$183	\$675
12	Wood Product Manufacturing	\$5,309	\$4,495	\$3,636	\$13,439
13	Paper Manufacturing	\$988	\$837	\$677	\$2,502
14	Fabricated Metal Product Manufacturing	\$9,877	\$8,362	\$6,764	\$25,003
15	Miscellaneous Manufacturing	\$21,198	\$17,947	\$14,517	\$53,662
16	Wholesale Trade	\$27,717	\$23,467	\$18,982	\$70,167
17	Retail Trade	\$55,542	\$47,025	\$38,039	\$140,606
18	Truck Transportation	\$4,759	\$4,029	\$3,259	\$12,048
19	Warehousing and Storage, Other Transportation	\$9,633	\$8,156	\$6,597	\$24,387
20	Postal Service and Couriers and Messengers	\$6,205	\$5,253	\$4,250	\$15,708
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$9,308	\$7,881	\$6,375	\$23,563
22	Publishing Industries, Information Services and Data Processing Service	\$3,813	\$3,229	\$2,612	\$9,654
23	Finance, Insurance, Real Estate and Rental and Leasing	\$77,626	\$65,723	\$53,163	\$196,512
24	Professional, Scientific and Technical Services	\$40,705	\$34,463	\$27,877	\$103,046
25	Administrative and Support Services	\$22,651	\$19,178	\$15,513	\$57,342
26	Waste Management and Remediation Services	\$1,655	\$1,401	\$1,134	\$4,190
27	Education Services	\$1,665	\$1,410	\$1,141	\$4,216
28	Health Care and Social Assistance	\$11,988	\$10,149	\$8,210	\$30,347
29	Arts, Entertainment and Recreation	\$3,079	\$2,607	\$2,109	\$7,795
30	Accommodation and Food Services	\$13,694	\$11,594	\$9,379	\$34,667
31	Repair and Maintenance	\$6,365	\$5,389	\$4,359	\$16,113
32	Grant-Making, Civic, and Professional and Similar Organizations	\$2,126	\$1,800	\$1,456	\$5,383
33	Personal and Laundry Services and Private Households	\$7,406	\$6,271	\$5,072	\$18,750
34	Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36	Transportation Margins	\$0	\$0	\$0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$10,738	\$9,091	\$7,354	\$27,183
38	Non-Profit Education Institutions	\$466	\$395	\$319	\$1,180
39	Hospitals and Residential Care Facilities	\$3,568	\$3,021	\$2,444	\$9,032
40	Education	\$10,201	\$8,637	\$6,986	\$25,825
41	Other Municipal Government Services	\$2,137	\$1,810	\$1,464	\$5,411
42	Other Provincial and Territorial Government Services	\$2,096	\$1,774	\$1,435	\$5,305
43	Other Federal Government, including Defence services	\$2,724	\$2,307	\$1,866	\$6,897
44	Households	\$0	\$0	\$0	\$0
Total		\$400,869	\$339,398	\$274,538	\$1,014,805

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Direct Federal Fiscal Impact	Federal Income Tax (\$)	Federal Sales Tax (\$)	Other Federal Taxes (\$)	Total Federal Taxes (\$)
Industry				
1 Crop and Animal Production	\$0	\$0	\$0	\$0
2 Forestry and Logging	\$0	\$0	\$0	\$0
3 Fishing, Hunting and Trapping	\$0	\$0	\$0	\$0
4 Support Activities for Agriculture and Forestry	\$0	\$0	\$0	\$0
5 Mining (Except Oil and Gas)	\$0	\$0	\$0	\$0
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$0	\$0	\$0	\$0
7 Electric Power Generation, Transmission and Distribution	\$0	\$0	\$0	\$0
8 Natural Gas Distribution, Water and Other Systems	\$0	\$0	\$0	\$0
9 Construction	\$744,292	\$285,769	\$221,189	\$1,251,250
10 Food Manufacturing	\$0	\$0	\$0	\$0
11 Textile and Textile Product	\$0	\$0	\$0	\$0
12 Wood Product Manufacturing	\$0	\$0	\$0	\$0
13 Paper Manufacturing	\$0	\$0	\$0	\$0
14 Fabricated Metal Product Manufacturing	\$0	\$0	\$0	\$0
15 Miscellaneous Manufacturing	\$0	\$0	\$0	\$0
16 Wholesale Trade	\$112,263	\$43,103	\$33,362	\$188,728
17 Retail Trade	\$0	\$0	\$0	\$0
18 Truck Transportation	\$0	\$0	\$0	\$0
19 Warehousing and Storage, Other Transportation	\$0	\$0	\$0	\$0
20 Postal Service and Couriers and Messengers	\$0	\$0	\$0	\$0
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0	\$0	\$0	\$0
22 Publishing Industries, Information Services and Data Processing Service	\$0	\$0	\$0	\$0
23 Finance, Insurance, Real Estate and Rental and Leasing	\$0	\$0	\$0	\$0
24 Professional, Scientific and Technical Services	\$0	\$0	\$0	\$0
25 Administrative and Support Services	\$0	\$0	\$0	\$0
26 Waste Management and Remediation Services	\$0	\$0	\$0	\$0
27 Education Services	\$0	\$0	\$0	\$0
28 Health Care and Social Assistance	\$0	\$0	\$0	\$0
29 Arts, Entertainment and Recreation	\$0	\$0	\$0	\$0
30 Accommodation and Food Services	\$0	\$0	\$0	\$0
31 Repair and Maintenance	\$0	\$0	\$0	\$0
32 Grant-Making, Civic, and Professional and Similar Organizations	\$0	\$0	\$0	\$0
33 Personal and Laundry Services and Private Households	\$0	\$0	\$0	\$0
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36 Transportation Margins	\$0	\$0	\$0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$0	\$0	\$0	\$0
38 Non-Profit Education Institutions	\$0	\$0	\$0	\$0
39 Hospitals and Residential Care Facilities	\$0	\$0	\$0	\$0
40 Education	\$0	\$0	\$0	\$0
41 Other Municipal Government Services	\$0	\$0	\$0	\$0
42 Other Provincial and Territorial Government Services	\$0	\$0	\$0	\$0
43 Other Federal Government, including Defence services	\$0	\$0	\$0	\$0
44 Households	\$0	\$0	\$0	\$0
Total	\$856,554	\$328,872	\$254,551	\$1,439,978

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Spinoff (indirect +induced) Federal Fiscal Impact		Federal Income Tax (\$)	Federal Sales Tax (\$)	Other Federal Taxes (\$)	Total Federal Taxes (\$)
Industry					
1	Crop and Animal Production	\$3,368	\$1,293	\$1,001	\$5,662
2	Forestry and Logging	\$5,158	\$1,980	\$1,533	\$8,671
3	Fishing, Hunting and Trapping	\$1,670	\$641	\$496	\$2,807
4	Support Activities for Agriculture and Forestry	\$821	\$315	\$244	\$1,380
5	Mining (Except Oil and Gas)	\$3,114	\$1,195	\$925	\$5,235
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$3,128	\$1,201	\$930	\$5,258
7	Electric Power Generation, Transmission and Distribution	\$5,770	\$2,215	\$1,715	\$9,700
8	Natural Gas Distribution, Water and Other Systems	\$1,122	\$431	\$333	\$1,885
9	Construction	\$8,530	\$3,275	\$2,535	\$14,340
10	Food Manufacturing	\$5,304	\$2,036	\$1,576	\$8,916
11	Textile and Textile Product	\$399	\$153	\$119	\$671
12	Wood Product Manufacturing	\$7,951	\$3,053	\$2,363	\$13,366
13	Paper Manufacturing	\$1,480	\$568	\$440	\$2,489
14	Fabricated Metal Product Manufacturing	\$14,792	\$5,680	\$4,396	\$24,868
15	Miscellaneous Manufacturing	\$31,748	\$12,190	\$9,435	\$53,373
16	Wholesale Trade	\$41,513	\$15,939	\$12,337	\$69,789
17	Retail Trade	\$83,187	\$31,940	\$24,722	\$139,849
18	Truck Transportation	\$7,128	\$2,737	\$2,118	\$11,983
19	Warehousing and Storage, Other Transportation	\$14,428	\$5,540	\$4,288	\$24,255
20	Postal Service and Couriers and Messengers	\$9,293	\$3,568	\$2,762	\$15,623
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$13,941	\$5,353	\$4,143	\$23,436
22	Publishing Industries, Information Services and Data Processing Service	\$5,711	\$2,193	\$1,697	\$9,602
23	Finance, Insurance, Real Estate and Rental and Leasing	\$116,263	\$44,639	\$34,551	\$195,453
24	Professional, Scientific and Technical Services	\$60,965	\$23,407	\$18,118	\$102,490
25	Administrative and Support Services	\$33,925	\$13,026	\$10,082	\$57,033
26	Waste Management and Remediation Services	\$2,479	\$952	\$737	\$4,168
27	Education Services	\$2,494	\$958	\$741	\$4,193
28	Health Care and Social Assistance	\$17,954	\$6,893	\$5,336	\$30,183
29	Arts, Entertainment and Recreation	\$4,612	\$1,771	\$1,370	\$7,753
30	Accommodation and Food Services	\$20,510	\$7,875	\$6,095	\$34,480
31	Repair and Maintenance	\$9,533	\$3,660	\$2,833	\$16,026
32	Grant-Making, Civic, and Professional and Similar Organizations	\$3,185	\$1,223	\$946	\$5,354
33	Personal and Laundry Services and Private Households	\$11,093	\$4,259	\$3,297	\$18,649
34	Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36	Transportation Margins	\$0	\$0	\$0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$16,082	\$6,175	\$4,779	\$27,037
38	Non-Profit Education Institutions	\$698	\$268	\$207	\$1,174
39	Hospitals and Residential Care Facilities	\$5,344	\$2,052	\$1,588	\$8,984
40	Education	\$15,279	\$5,866	\$4,541	\$25,685
41	Other Municipal Government Services	\$3,201	\$1,229	\$951	\$5,382
42	Other Provincial and Territorial Government Services	\$3,139	\$1,205	\$933	\$5,277
43	Other Federal Government, including Defence services	\$4,080	\$1,567	\$1,213	\$6,860
44	Households	\$0	\$0	\$0	\$0
Total		\$600,392	\$230,519	\$178,425	\$1,009,337

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Spinoff (indirect +induced) Federal Fiscal Impact	Federal Income Tax (\$)	Federal Sales Tax (\$)	Other Federal Taxes (\$)	Total Federal Taxes (\$)
Industry				
1 Crop and Animal Production	\$3,368	\$1,293	\$1,001	\$5,662
2 Forestry and Logging	\$5,158	\$1,980	\$1,533	\$8,671
3 Fishing, Hunting and Trapping	\$1,670	\$641	\$496	\$2,807
4 Support Activities for Agriculture and Forestry	\$821	\$315	\$244	\$1,380
5 Mining (Except Oil and Gas)	\$3,114	\$1,195	\$925	\$5,235
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$3,128	\$1,201	\$930	\$5,258
7 Electric Power Generation, Transmission and Distribution	\$5,770	\$2,215	\$1,715	\$9,700
8 Natural Gas Distribution, Water and Other Systems	\$1,122	\$431	\$333	\$1,885
9 Construction	\$8,530	\$3,275	\$2,535	\$14,340
10 Food Manufacturing	\$5,304	\$2,036	\$1,576	\$8,916
11 Textile and Textile Product	\$399	\$153	\$119	\$671
12 Wood Product Manufacturing	\$7,951	\$3,053	\$2,363	\$13,366
13 Paper Manufacturing	\$1,480	\$568	\$440	\$2,488
14 Fabricated Metal Product Manufacturing	\$14,792	\$5,680	\$4,396	\$24,868
15 Miscellaneous Manufacturing	\$31,748	\$12,190	\$9,435	\$53,373
16 Wholesale Trade	\$41,513	\$15,939	\$12,337	\$69,789
17 Retail Trade	\$83,187	\$31,940	\$24,722	\$139,849
18 Truck Transportation	\$7,128	\$2,737	\$2,118	\$11,983
19 Warehousing and Storage, Other Transportation	\$14,428	\$5,540	\$4,288	\$24,255
20 Postal Service and Couriers and Messengers	\$9,293	\$3,568	\$2,762	\$15,623
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$13,941	\$5,353	\$4,143	\$23,436
22 Publishing Industries, Information Services and Data Processing Service	\$5,711	\$2,193	\$1,697	\$9,602
23 Finance, Insurance, Real Estate and Rental and Leasing	\$116,263	\$44,639	\$34,551	\$195,453
24 Professional, Scientific and Technical Services	\$60,965	\$23,407	\$18,118	\$102,490
25 Administrative and Support Services	\$33,925	\$13,026	\$10,082	\$57,033
26 Waste Management and Remediation Services	\$2,479	\$952	\$737	\$4,168
27 Education Services	\$2,494	\$958	\$741	\$4,193
28 Health Care and Social Assistance	\$17,954	\$6,893	\$5,336	\$30,183
29 Arts, Entertainment and Recreation	\$4,612	\$1,771	\$1,370	\$7,753
30 Accommodation and Food Services	\$20,510	\$7,875	\$6,095	\$34,480
31 Repair and Maintenance	\$9,533	\$3,660	\$2,833	\$16,026
32 Grant-Making, Civic, and Professional and Similar Organizations	\$3,185	\$1,223	\$946	\$5,354
33 Personal and Laundry Services and Private Households	\$11,093	\$4,259	\$3,297	\$18,649
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36 Transportation Margins	\$0	\$0	\$0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$16,082	\$6,175	\$4,779	\$27,037
38 Non-Profit Education Institutions	\$698	\$268	\$207	\$1,174
39 Hospitals and Residential Care Facilities	\$5,344	\$2,052	\$1,588	\$8,984
40 Education	\$15,279	\$5,866	\$4,541	\$25,685
41 Other Municipal Government Services	\$3,201	\$1,229	\$951	\$5,382
42 Other Provincial and Territorial Government Services	\$3,139	\$1,205	\$933	\$5,277
43 Other Federal Government, including Defence services	\$4,080	\$1,567	\$1,213	\$6,860
44 Households	\$0	\$0	\$0	\$0
Total	\$600,392	\$230,519	\$178,425	\$1,009,337

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Total Federal Fiscal Impact		Federal Income Tax (\$)	Federal Sales Tax (\$)	Other Federal Taxes (\$)	Total Federal Taxes (\$)
Industry					
1	Crop and Animal Production	\$3,368	\$1,293	\$1,001	\$5,662
2	Forestry and Logging	\$5,158	\$1,980	\$1,533	\$8,671
3	Fishing, Hunting and Trapping	\$1,670	\$641	\$496	\$2,807
4	Support Activities for Agriculture and Forestry	\$821	\$315	\$244	\$1,380
5	Mining (Except Oil and Gas)	\$3,114	\$1,195	\$925	\$5,235
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$3,128	\$1,201	\$930	\$5,258
7	Electric Power Generation, Transmission and Distribution	\$5,770	\$2,215	\$1,715	\$9,700
8	Natural Gas Distribution, Water and Other Systems	\$1,122	\$431	\$333	\$1,885
9	Construction	\$752,822	\$289,044	\$223,724	\$1,265,590
10	Food Manufacturing	\$5,304	\$2,036	\$1,576	\$8,916
11	Textile and Textile Product	\$399	\$153	\$119	\$671
12	Wood Product Manufacturing	\$7,951	\$3,053	\$2,363	\$13,366
13	Paper Manufacturing	\$1,480	\$568	\$440	\$2,489
14	Fabricated Metal Product Manufacturing	\$14,792	\$5,680	\$4,396	\$24,868
15	Miscellaneous Manufacturing	\$31,748	\$12,190	\$9,435	\$53,373
16	Wholesale Trade	\$153,775	\$59,042	\$45,699	\$258,516
17	Retail Trade	\$83,187	\$31,940	\$24,722	\$139,849
18	Truck Transportation	\$7,128	\$2,737	\$2,118	\$11,983
19	Warehousing and Storage, Other Transportation	\$14,428	\$5,540	\$4,288	\$24,255
20	Postal Service and Couriers and Messengers	\$9,293	\$3,568	\$2,762	\$15,623
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$13,941	\$5,353	\$4,143	\$23,436
22	Publishing Industries, Information Services and Data Processing Service	\$5,711	\$2,193	\$1,697	\$9,602
23	Finance, Insurance, Real Estate and Rental and Leasing	\$116,263	\$44,639	\$34,551	\$195,453
24	Professional, Scientific and Technical Services	\$60,965	\$23,407	\$18,118	\$102,490
25	Administrative and Support Services	\$33,925	\$13,026	\$10,082	\$57,033
26	Waste Management and Remediation Services	\$2,479	\$952	\$737	\$4,168
27	Education Services	\$2,494	\$958	\$741	\$4,193
28	Health Care and Social Assistance	\$17,954	\$6,893	\$5,336	\$30,183
29	Arts, Entertainment and Recreation	\$4,612	\$1,771	\$1,370	\$7,753
30	Accommodation and Food Services	\$20,510	\$7,875	\$6,095	\$34,480
31	Repair and Maintenance	\$9,533	\$3,660	\$2,833	\$16,026
32	Grant-Making, Civic, and Professional and Similar Organizations	\$3,185	\$1,223	\$946	\$5,354
33	Personal and Laundry Services and Private Households	\$11,093	\$4,259	\$3,297	\$18,649
34	Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36	Transportation Margins	\$0	\$0	\$0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$16,082	\$6,175	\$4,779	\$27,037
38	Non-Profit Education Institutions	\$698	\$268	\$207	\$1,174
39	Hospitals and Residential Care Facilities	\$5,344	\$2,052	\$1,588	\$8,984
40	Education	\$15,279	\$5,866	\$4,541	\$25,685
41	Other Municipal Government Services	\$3,201	\$1,229	\$951	\$5,382
42	Other Provincial and Territorial Government Services	\$3,139	\$1,205	\$933	\$5,277
43	Other Federal Government, including Defence services	\$4,080	\$1,567	\$1,213	\$6,860
44	Households	\$0	\$0	\$0	\$0
Total		\$1,456,947	\$559,392	\$432,977	\$2,449,315

APPENDIX B
DETAILED IMPACT ANALYSIS
OPERATING IMPACTS

Note: Only values (cells) with a yellow background are changeable.

Specify \$ Value Purchaser \$ Purchaser \$ with a Y/N >>> N Y

GENERAL DATA ENTRY:

Enter Impact Values in dollars for all applicable industries in column B, when complete specify the type of dollar data that was entered by entering a Y(es) or N(o) below Producer \$. Producer \$'s are the cost of producing the output, this excluded Margins and Taxes. If you enter anything other than a Y(es) then by default the data is considered Purchaser \$'s and will be stripped of margins and taxes prior to impact.

DIRECT EMPLOYMENT:

If you have a value entered for industry 44: Household Income you should enter the "Direct" employment associated with the household income. If you fail to specify Household income related direct employment then the default direct employment (household income / \$34,269.04 (2007 NS AAW)) will be used.

Direct Employment related to Household Income

Default	Actual
175.4	113.6
AAW	AAW
\$32,269.04	\$49,843.77

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

July 20, 2009

Industry Impact Input (\$)	Impact \$'s
1 Crop and Animal Production	\$0.0
2 Forestry and Logging	\$0.0
3 Fishing, Hunting and Trapping	\$0.0
4 Support Activities for Agriculture and Forestry	\$0.0
5 Mining (Except Oil and Gas)	\$0.0
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$261,979.68
7 Electric Power Generation, Transmission and Distribution	\$11,165.02
8 Natural Gas Distribution, Water and Other Systems	\$0.0
9 Construction	\$0.0
10 Food Manufacturing	\$0.0
11 Textile and Textile Product	\$0.0
12 Wood Product Manufacturing	\$0.0
13 Paper Manufacturing	\$0.0
14 Fabricated Metal Product Manufacturing	\$0.0
15 Miscellaneous Manufacturing	\$0.0
16 Wholesale Trade	\$0.0
17 Retail Trade	\$0.0
18 Truck Transportation	\$0.0
19 Warehousing and Storage, Other Transportation	\$0.0
20 Postal Service and Couriers and Messengers	\$0.0
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0.0
22 Publishing Industries, Information Services and Data Processing Service	\$127,168.00
23 Finance, Insurance, Real Estate and Rental and Leasing	\$0.0
24 Professional, Scientific and Technical Services	\$158,000.00
25 Administrative and Support Services	\$159,702.27
26 Waste Management and Remediation Services	\$0.00
27 Education Services	\$0.0
28 Health Care and Social Assistance	\$0.0
29 Arts, Entertainment and Recreation	\$0.0
30 Accommodation and Food Services	\$0.0
31 Repair and Maintenance	\$0.0
32 Grant-Making, Civic, and Professional and Similar Organizations	\$323,050.03
33 Personal and Laundry Services and Private Households	\$0.0
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0.0
35 Travel, Entertainment, Advertising and Promotion	\$0.0
36 Transportation Margins	\$0.0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$0.0
38 Non-Profit Education Institutions	\$0.0
39 Hospitals and Residential Care Facilities	\$0.0
40 Education	\$0.0
41 Other Municipal Government Services	\$0.0
42 Other Provincial and Territorial Government Services	\$0.0
43 Other Federal Government, including Defence services	\$0.0
44 Household Income	\$5,660,757.0
Total	\$6,701,822.0

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Economic Impact	Total Output \$	Household Income (\$)	Employment (jobs)	GDP@Market Prices (\$)
Direct impact	\$6,674,276	\$5,660,757	113.6	\$6,273,494
Spinoff Impact	\$7,010,245	\$2,041,588	61.5	\$4,828,900
Total Impact	\$13,684,520	\$7,702,345	175.1	\$11,102,394
Fiscal Impact	Federal Income Tax Revenue (\$)	Total Federal Tax Revenue (\$)	Provincial Income Tax Revenue (\$)	Total Provincial Tax Revenue (\$)
Direct impact	\$492,323	\$827,659	\$328,714	\$832,143
Spinoff Impact	\$177,560	\$298,501	\$118,553	\$300,118
Total Impact	\$669,883	\$1,126,159	\$447,267	\$1,132,261

Economic Impact Assessment - Halifax Central Library Project

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Direct Economic Impact	Total Output \$ (impact input)	Household Income (\$)	Employment (jobs)	GDP@Market Prices (\$)
Industry				
1 Crop and Animal Production	\$0	\$0	0.0	\$0
2 Forestry and Logging	\$0	\$0	0.0	\$0
3 Fishing, Hunting and Trapping	\$0	\$0	0.0	\$0
4 Support Activities for Agriculture and Forestry	\$0	\$0	0.0	\$0
5 Mining (Except Oil and Gas)	\$0	\$0	0.0	\$0
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$0	\$0	0.0	\$0
7 Electric Power Generation, Transmission and Distribution	\$245,142	\$0	0.0	\$161,200
8 Natural Gas Distribution, Water and Other Systems	\$10,807	\$0	0.0	\$6,688
9 Construction	\$0	\$0	0.0	\$0
10 Food Manufacturing	\$0	\$0	0.0	\$0
11 Textile and Textile Product	\$0	\$0	0.0	\$0
12 Wood Product Manufacturing	\$0	\$0	0.0	\$0
13 Paper Manufacturing	\$0	\$0	0.0	\$0
14 Fabricated Metal Product Manufacturing	\$0	\$0	0.0	\$0
15 Miscellaneous Manufacturing	\$0	\$0	0.0	\$0
16 Wholesale Trade	\$0	\$0	0.0	\$0
17 Retail Trade	\$0	\$0	0.0	\$0
18 Truck Transportation	\$0	\$0	0.0	\$0
19 Warehousing and Storage, Other Transportation	\$0	\$0	0.0	\$0
20 Postal Service and Couriers and Messengers	\$0	\$0	0.0	\$0
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0	\$0	0.0	\$0
22 Publishing Industries, Information Services and Data Processing Service	\$125,973	\$0	0.0	\$65,391
23 Finance, Insurance, Real Estate and Rental and Leasing	\$0	\$0	0.0	\$0
24 Professional, Scientific and Technical Services	\$157,235	\$0	0.0	\$88,127
25 Administrative and Support Services	\$158,063	\$0	0.0	\$108,045
26 Waste Management and Remediation Services	\$0	\$0	0.0	\$0
27 Education Services	\$0	\$0	0.0	\$0
28 Health Care and Social Assistance	\$0	\$0	0.0	\$0
29 Arts, Entertainment and Recreation	\$0	\$0	0.0	\$0
30 Accommodation and Food Services	\$0	\$0	0.0	\$0
31 Repair and Maintenance	\$316,297	\$0	0.0	\$183,285
32 Grant-Making, Civic, and Professional and Similar Organizations	\$0	\$0	0.0	\$0
33 Personal and Laundry Services and Private Households	\$0	\$0	0.0	\$0
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	0.0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	0.0	\$0
36 Transportation Margins	\$0	\$0	0.0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$0	\$0	0.0	\$0
38 Non-Profit Education Institutions	\$0	\$0	0.0	\$0
39 Hospitals and Residential Care Facilities	\$0	\$0	0.0	\$0
40 Education	\$0	\$0	0.0	\$0
41 Other Municipal Government Services	\$0	\$0	0.0	\$0
42 Other Provincial and Territorial Government Services	\$0	\$0	0.0	\$0
43 Other Federal Government, including Defence services	\$0	\$0	0.0	\$0
44 Households	\$5,660,757	\$5,660,757	113.6	\$5,660,757
Total	\$6,674,276	\$5,660,757	113.6	\$6,273,494

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Spinoff (indirect + Induced) Economic Impact		Total Output \$ (impact input)	Household Income (\$)	Employment (jobs)	GDP@Market Prices (\$)
Industry					
1	Crop and Animal Production	\$38,542	\$7,321	0.5	\$14,466
2	Forestry and Logging	\$21,053	\$6,487	0.2	\$10,156
3	Fishing, Hunting and Trapping	\$17,471	\$6,474	0.1	\$9,100
4	Support Activities for Agriculture and Forestry	\$5,472	\$1,676	0.1	\$2,671
5	Mining (Except Oil and Gas)	\$3,984	\$1,389	0.0	\$3,554
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$12,856	\$722	0.0	\$9,808
7	Electric Power Generation, Transmission and Distribution	\$169,213	\$55,043	1.0	\$111,271
8	Natural Gas Distribution, Water and Other Systems	\$7,030	\$6,593	0.1	\$4,350
9	Construction	\$86,802	\$27,051	0.6	\$32,630
10	Food Manufacturing	\$123,328	\$19,201	0.5	\$29,013
11	Textile and Textile Product	\$2,211	\$393	0.0	\$1,051
12	Wood Product Manufacturing	\$5,101	\$947	0.0	\$1,926
13	Paper Manufacturing	\$8,768	\$1,808	0.0	\$2,079
14	Fabricated Metal Product Manufacturing	\$7,428	\$2,412	0.1	\$2,783
15	Miscellaneous Manufacturing	\$263,233	\$45,433	1.0	\$80,194
16	Wholesale Trade	\$157,081	\$59,195	1.5	\$91,540
17	Retail Trade	\$619,030	\$310,880	13.7	\$389,099
18	Truck Transportation	\$44,441	\$16,243	0.4	\$21,974
19	Warehousing and Storage, Other Transportation	\$89,636	\$32,827	0.9	\$41,386
20	Postal Service and Couriers and Messengers	\$31,203	\$22,804	0.6	\$19,799
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$182,387	\$42,674	1.0	\$123,769
22	Publishing Industries, Information Services and Data Processing Service	\$25,559	\$56,863	1.5	\$13,268
23	Finance, Insurance, Real Estate and Rental and Leasing	\$1,578,228	\$452,274	4.6	\$1,104,433
24	Professional, Scientific and Technical Services	\$144,195	\$140,034	3.6	\$80,818
25	Administrative and Support Services	\$74,583	\$137,396	5.0	\$50,982
26	Waste Management and Remediation Services	\$15,443	\$5,719	0.2	\$10,216
27	Education Services	\$15,454	\$10,160	0.5	\$11,278
28	Health Care and Social Assistance	\$130,725	\$88,930	2.5	\$103,668
29	Arts, Entertainment and Recreation	\$65,617	\$19,712	1.4	\$29,371
30	Accommodation and Food Services	\$253,223	\$92,751	5.7	\$118,348
31	Repair and Maintenance	\$52,105	\$160,639	7.0	\$30,194
32	Grant-Making, Civic, and Professional and Similar Organizations	\$11,715	\$6,696	0.2	\$7,478
33	Personal and Laundry Services and Private Households	\$46,136	\$24,352	2.1	\$30,428
34	Operating, Office, Cafeteria and Laboratory Supplies	\$177,755	\$0	0.0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$153,893	\$0	0.0	\$0
36	Transportation Margins	\$29,375	\$0	0.0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$125,880	\$76,041	2.7	\$79,522
38	Non-Profit Education Institutions	\$4,307	\$3,233	0.1	\$3,368
39	Hospitals and Residential Care Facilities	\$27,455	\$19,256	0.5	\$20,067
40	Education	\$78,380	\$57,830	1.2	\$61,860
41	Other Municipal Government Services	\$24,455	\$8,511	0.3	\$12,450
42	Other Provincial and Territorial Government Services	\$23,920	\$6,811	0.1	\$9,240
43	Other Federal Government, including Defence services	\$13,984	\$6,807	0.1	\$7,704
44	Households	\$2,041,588	\$0	0.0	\$2,041,588
Total		\$7,010,245	\$2,041,588	61.5	\$4,828,900

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Total Economic Impact		Total Output \$ (impact input)	Household Income (\$)	Employment (jobs)	GDP@Market Prices (\$)
Industry					
1	Crop and Animal Production	\$38,542	\$7,321	0.5	\$14,466
2	Forestry and Logging	\$21,053	\$6,487	0.2	\$10,156
3	Fishing, Hunting and Trapping	\$17,471	\$6,474	0.1	\$9,100
4	Support Activities for Agriculture and Forestry	\$5,472	\$1,676	0.1	\$2,671
5	Mining (Except Oil and Gas)	\$3,984	\$1,389	0.0	\$3,554
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$12,856	\$722	0.0	\$9,808
7	Electric Power Generation, Transmission and Distribution	\$414,355	\$55,043	1.0	\$272,471
8	Natural Gas Distribution, Water and Other Systems	\$17,837	\$6,593	0.1	\$11,038
9	Construction	\$86,802	\$27,051	0.6	\$32,630
10	Food Manufacturing	\$123,328	\$19,201	0.5	\$29,013
11	Textile and Textile Product	\$2,211	\$393	0.0	\$1,051
12	Wood Product Manufacturing	\$5,101	\$947	0.0	\$1,926
13	Paper Manufacturing	\$8,768	\$1,808	0.0	\$2,079
14	Fabricated Metal Product Manufacturing	\$7,428	\$2,412	0.1	\$2,783
15	Miscellaneous Manufacturing	\$263,233	\$45,433	1.0	\$80,194
16	Wholesale Trade	\$157,081	\$59,195	1.5	\$91,540
17	Retail Trade	\$619,030	\$310,880	13.7	\$389,099
18	Truck Transportation	\$44,441	\$16,243	0.4	\$21,974
19	Warehousing and Storage, Other Transportation	\$89,636	\$32,827	0.9	\$41,386
20	Postal Service and Couriers and Messengers	\$31,203	\$22,804	0.6	\$19,799
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$182,387	\$42,674	1.0	\$123,769
22	Publishing Industries, Information Services and Data Processing Service	\$151,532	\$56,863	1.5	\$78,659
23	Finance, Insurance, Real Estate and Rental and Leasing	\$1,578,228	\$452,274	4.6	\$1,104,433
24	Professional, Scientific and Technical Services	\$301,430	\$140,034	3.6	\$168,944
25	Administrative and Support Services	\$232,646	\$137,396	5.0	\$159,027
26	Waste Management and Remediation Services	\$15,443	\$5,719	0.2	\$10,216
27	Education Services	\$15,454	\$10,160	0.5	\$11,278
28	Health Care and Social Assistance	\$130,725	\$88,930	2.5	\$103,668
29	Arts, Entertainment and Recreation	\$65,617	\$19,712	1.4	\$29,371
30	Accommodation and Food Services	\$253,223	\$92,751	5.7	\$118,348
31	Repair and Maintenance	\$368,402	\$160,639	7.0	\$213,479
32	Grant-Making, Civic, and Professional and Similar Organizations	\$11,715	\$6,696	0.2	\$7,478
33	Personal and Laundry Services and Private Households	\$46,136	\$24,352	2.1	\$30,428
34	Operating, Office, Cafeteria and Laboratory Supplies	\$177,755	\$0	0.0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$153,893	\$0	0.0	\$0
36	Transportation Margins	\$29,375	\$0	0.0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$125,880	\$76,041	2.7	\$79,522
38	Non-Profit Education Institutions	\$4,307	\$3,233	0.1	\$3,368
39	Hospitals and Residential Care Facilities	\$27,455	\$19,256	0.5	\$20,067
40	Education	\$78,380	\$57,830	1.2	\$61,860
41	Other Municipal Government Services	\$24,455	\$8,511	0.3	\$12,450
42	Other Provincial and Territorial Government Services	\$23,920	\$6,811	0.1	\$9,240
43	Other Federal Government, including Defence services	\$13,984	\$6,807	0.1	\$7,704
44	Households	\$7,702,345	\$5,660,757	113.6	\$7,702,345
Total		\$13,684,520	\$7,702,345	175.1	\$11,102,394

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Direct Provincial Fiscal Impact	Provincial Income Tax (\$)	Provincial Sales Tax (\$)	Other Provincial Taxes (\$)	Total Provincial Taxes (\$)
Industry				
1 Crop and Animal Production	\$0	\$0	\$0	\$0
2 Forestry and Logging	\$0	\$0	\$0	\$0
3 Fishing, Hunting and Trapping	\$0	\$0	\$0	\$0
4 Support Activities for Agriculture and Forestry	\$0	\$0	\$0	\$0
5 Mining (Except Oil and Gas)	\$0	\$0	\$0	\$0
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extracti	\$0	\$0	\$0	\$0
7 Electric Power Generation, Transmission and Distribution	\$0	\$0	\$0	\$0
8 Natural Gas Distribution, Water and Other Systems	\$0	\$0	\$0	\$0
9 Construction	\$0	\$0	\$0	\$0
10 Food Manufacturing	\$0	\$0	\$0	\$0
11 Textile and Textile Product	\$0	\$0	\$0	\$0
12 Wood Product Manufacturing	\$0	\$0	\$0	\$0
13 Paper Manufacturing	\$0	\$0	\$0	\$0
14 Fabricated Metal Product Manufacturing	\$0	\$0	\$0	\$0
15 Miscellaneous Manufacturing	\$0	\$0	\$0	\$0
16 Wholesale Trade	\$0	\$0	\$0	\$0
17 Retail Trade	\$0	\$0	\$0	\$0
18 Truck Transportation	\$0	\$0	\$0	\$0
19 Warehousing and Storage, Other Transportation	\$0	\$0	\$0	\$0
20 Postal Service and Couriers and Messengers	\$0	\$0	\$0	\$0
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0	\$0	\$0	\$0
22 Publishing Industries, Information Services and Data Processing Service	\$0	\$0	\$0	\$0
23 Finance, Insurance, Real Estate and Rental and Leasing	\$0	\$0	\$0	\$0
24 Professional, Scientific and Technical Services	\$0	\$0	\$0	\$0
25 Administrative and Support Services	\$0	\$0	\$0	\$0
26 Waste Management and Remediation Services	\$0	\$0	\$0	\$0
27 Education Services	\$0	\$0	\$0	\$0
28 Health Care and Social Assistance	\$0	\$0	\$0	\$0
29 Arts, Entertainment and Recreation	\$0	\$0	\$0	\$0
30 Accommodation and Food Services	\$0	\$0	\$0	\$0
31 Repair and Maintenance	\$0	\$0	\$0	\$0
32 Grant-Making, Civic, and Professional and Similar Organizations	\$0	\$0	\$0	\$0
33 Personal and Laundry Services and Private Households	\$0	\$0	\$0	\$0
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36 Transportation Margins	\$0	\$0	\$0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$0	\$0	\$0	\$0
38 Non-Profit Education Institutions	\$0	\$0	\$0	\$0
39 Hospitals and Residential Care Facilities	\$0	\$0	\$0	\$0
40 Education	\$0	\$0	\$0	\$0
41 Other Municipal Government Services	\$0	\$0	\$0	\$0
42 Other Provincial and Territorial Government Services	\$0	\$0	\$0	\$0
43 Other Federal Government, including Defence services	\$0	\$0	\$0	\$0
44 Households	\$328,714	\$278,307	\$225,122	\$832,143
Total	\$328,714	\$278,307	\$225,122	\$832,143

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HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Spinoff (indirect + induced) Provincial Fiscal Impact		Provincial Income Tax (\$)	Provincial Sales Tax (\$)	Other Provincial Taxes (\$)	Total Provincial Taxes (\$)
Industry					
1	Crop and Animal Production	\$425	\$360	\$291	\$1,076
2	Forestry and Logging	\$377	\$319	\$258	\$954
3	Fishing, Hunting and Trapping	\$376	\$318	\$257	\$952
4	Support Activities for Agriculture and Forestry	\$97	\$82	\$67	\$246
5	Mining (Except Oil and Gas)	\$81	\$68	\$55	\$204
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extracti	\$42	\$36	\$29	\$106
7	Electric Power Generation, Transmission and Distribution	\$3,196	\$2,706	\$2,189	\$8,091
8	Natural Gas Distribution, Water and Other Systems	\$383	\$324	\$262	\$969
9	Construction	\$1,571	\$1,330	\$1,076	\$3,977
10	Food Manufacturing	\$1,115	\$944	\$764	\$2,823
11	Textile and Textile Product	\$23	\$19	\$16	\$58
12	Wood Product Manufacturing	\$55	\$47	\$38	\$139
13	Paper Manufacturing	\$105	\$89	\$72	\$266
14	Fabricated Metal Product Manufacturing	\$140	\$119	\$96	\$355
15	Miscellaneous Manufacturing	\$2,638	\$2,234	\$1,807	\$6,679
16	Wholesale Trade	\$3,437	\$2,910	\$2,354	\$8,702
17	Retail Trade	\$18,052	\$15,284	\$12,363	\$45,700
18	Truck Transportation	\$943	\$799	\$646	\$2,388
19	Warehousing and Storage, Other Transportation	\$1,906	\$1,614	\$1,305	\$4,826
20	Postal Service and Couriers and Messengers	\$1,324	\$1,121	\$907	\$3,352
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$2,478	\$2,098	\$1,697	\$6,273
22	Publishing Industries, Information Services and Data Processing Service	\$3,302	\$2,796	\$2,261	\$8,359
23	Finance, Insurance, Real Estate and Rental and Leasing	\$26,263	\$22,236	\$17,986	\$66,485
24	Professional, Scientific and Technical Services	\$8,132	\$6,885	\$5,569	\$20,585
25	Administrative and Support Services	\$7,978	\$6,755	\$5,464	\$20,197
26	Waste Management and Remediation Services	\$332	\$281	\$227	\$841
27	Education Services	\$590	\$500	\$404	\$1,494
28	Health Care and Social Assistance	\$5,164	\$4,372	\$3,537	\$13,073
29	Arts, Entertainment and Recreation	\$1,145	\$969	\$784	\$2,898
30	Accommodation and Food Services	\$5,386	\$4,560	\$3,689	\$13,635
31	Repair and Maintenance	\$9,328	\$7,898	\$6,388	\$23,614
32	Grant-Making, Civic, and Professional and Similar Organizations	\$389	\$329	\$266	\$984
33	Personal and Laundry Services and Private Households	\$1,414	\$1,197	\$968	\$3,580
34	Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36	Transportation Margins	\$0	\$0	\$0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$4,416	\$3,739	\$3,024	\$11,178
38	Non-Profit Education Institutions	\$188	\$159	\$129	\$475
39	Hospitals and Residential Care Facilities	\$1,118	\$947	\$766	\$2,831
40	Education	\$3,358	\$2,843	\$2,300	\$8,501
41	Other Municipal Government Services	\$494	\$418	\$338	\$1,251
42	Other Provincial and Territorial Government Services	\$395	\$335	\$271	\$1,001
43	Other Federal Government, including Defence services	\$395	\$335	\$271	\$1,001
44	Households	\$0	\$0	\$0	\$0
Total		\$118,553	\$100,373	\$81,192	\$300,118

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Total Provincial Fiscal Impact	Provincial Income Tax (\$)	Provincial Sales Tax (\$)	Other Provincial Taxes (\$)	Total Provincial Taxes (\$)
Industry				
1 Crop and Animal Production	\$425	\$360	\$291	\$1,076
2 Forestry and Logging	\$377	\$319	\$258	\$954
3 Fishing, Hunting and Trapping	\$376	\$318	\$257	\$952
4 Support Activities for Agriculture and Forestry	\$97	\$82	\$67	\$246
5 Mining (Except Oil and Gas)	\$81	\$68	\$55	\$204
6 Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extracti	\$42	\$36	\$29	\$106
7 Electric Power Generation, Transmission and Distribution	\$3,196	\$2,706	\$2,189	\$8,091
8 Natural Gas Distribution, Water and Other Systems	\$383	\$324	\$262	\$969
9 Construction	\$1,571	\$1,330	\$1,076	\$3,977
10 Food Manufacturing	\$1,115	\$944	\$764	\$2,823
11 Textile and Textile Product	\$23	\$19	\$16	\$58
12 Wood Product Manufacturing	\$55	\$47	\$38	\$139
13 Paper Manufacturing	\$105	\$89	\$72	\$266
14 Fabricated Metal Product Manufacturing	\$140	\$119	\$96	\$355
15 Miscellaneous Manufacturing	\$2,638	\$2,234	\$1,807	\$6,679
16 Wholesale Trade	\$3,437	\$2,910	\$2,354	\$8,702
17 Retail Trade	\$18,052	\$15,284	\$12,363	\$45,700
18 Truck Transportation	\$943	\$799	\$646	\$2,388
19 Warehousing and Storage, Other Transportation	\$1,906	\$1,614	\$1,305	\$4,826
20 Postal Service and Couriers and Messengers	\$1,324	\$1,121	\$907	\$3,352
21 Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$2,478	\$2,098	\$1,697	\$6,273
22 Publishing Industries, Information Services and Data Processing Service	\$3,302	\$2,796	\$2,261	\$8,359
23 Finance, Insurance, Real Estate and Rental and Leasing	\$26,263	\$22,236	\$17,986	\$66,485
24 Professional, Scientific and Technical Services	\$8,132	\$6,885	\$5,569	\$20,585
25 Administrative and Support Services	\$7,978	\$6,755	\$5,464	\$20,197
26 Waste Management and Remediation Services	\$332	\$281	\$227	\$841
27 Education Services	\$590	\$500	\$404	\$1,494
28 Health Care and Social Assistance	\$5,164	\$4,372	\$3,537	\$13,073
29 Arts, Entertainment and Recreation	\$1,145	\$969	\$784	\$2,898
30 Accommodation and Food Services	\$5,386	\$4,560	\$3,689	\$13,635
31 Repair and Maintenance	\$9,328	\$7,898	\$6,388	\$23,614
32 Grant-Making, Civic, and Professional and Similar Organizations	\$389	\$329	\$266	\$984
33 Personal and Laundry Services and Private Households	\$1,414	\$1,197	\$968	\$3,580
34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36 Transportation Margins	\$0	\$0	\$0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$4,416	\$3,739	\$3,024	\$11,178
38 Non-Profit Education Institutions	\$188	\$159	\$129	\$475
39 Hospitals and Residential Care Facilities	\$1,118	\$947	\$766	\$2,831
40 Education	\$3,358	\$2,843	\$2,300	\$8,501
41 Other Municipal Government Services	\$494	\$418	\$338	\$1,251
42 Other Provincial and Territorial Government Services	\$395	\$335	\$271	\$1,001
43 Other Federal Government, including Defence services	\$395	\$335	\$271	\$1,001
44 Households	\$328,714	\$278,307	\$225,122	\$832,143
Total	\$447,267	\$378,680	\$306,314	\$1,132,261

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Direct Federal Fiscal Impact		Federal Income	Federal Sales	Other Federal	Total Federal
		Tax (\$)	Tax (\$)	Taxes (\$)	Taxes (\$)
Industry					
1	Crop and Animal Production	\$0	\$0	\$0	\$0
2	Forestry and Logging	\$0	\$0	\$0	\$0
3	Fishing, Hunting and Trapping	\$0	\$0	\$0	\$0
4	Support Activities for Agriculture and Forestry	\$0	\$0	\$0	\$0
5	Mining (Except Oil and Gas)	\$0	\$0	\$0	\$0
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$0	\$0	\$0	\$0
7	Electric Power Generation, Transmission and Distribution	\$0	\$0	\$0	\$0
8	Natural Gas Distribution, Water and Other Systems	\$0	\$0	\$0	\$0
9	Construction	\$0	\$0	\$0	\$0
10	Food Manufacturing	\$0	\$0	\$0	\$0
11	Textile and Textile Product	\$0	\$0	\$0	\$0
12	Wood Product Manufacturing	\$0	\$0	\$0	\$0
13	Paper Manufacturing	\$0	\$0	\$0	\$0
14	Fabricated Metal Product Manufacturing	\$0	\$0	\$0	\$0
15	Miscellaneous Manufacturing	\$0	\$0	\$0	\$0
16	Wholesale Trade	\$0	\$0	\$0	\$0
17	Retail Trade	\$0	\$0	\$0	\$0
18	Truck Transportation	\$0	\$0	\$0	\$0
19	Warehousing and Storage, Other Transportation	\$0	\$0	\$0	\$0
20	Postal Service and Couriers and Messengers	\$0	\$0	\$0	\$0
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$0	\$0	\$0	\$0
22	Publishing Industries, Information Services and Data Processing Service	\$0	\$0	\$0	\$0
23	Finance, Insurance, Real Estate and Rental and Leasing	\$0	\$0	\$0	\$0
24	Professional, Scientific and Technical Services	\$0	\$0	\$0	\$0
25	Administrative and Support Services	\$0	\$0	\$0	\$0
26	Waste Management and Remediation Services	\$0	\$0	\$0	\$0
27	Education Services	\$0	\$0	\$0	\$0
28	Health Care and Social Assistance	\$0	\$0	\$0	\$0
29	Arts, Entertainment and Recreation	\$0	\$0	\$0	\$0
30	Accommodation and Food Services	\$0	\$0	\$0	\$0
31	Repair and Maintenance	\$0	\$0	\$0	\$0
32	Grant-Making, Civic, and Professional and Similar Organizations	\$0	\$0	\$0	\$0
33	Personal and Laundry Services and Private Households	\$0	\$0	\$0	\$0
34	Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36	Transportation Margins	\$0	\$0	\$0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$0	\$0	\$0	\$0
38	Non-Profit Education Institutions	\$0	\$0	\$0	\$0
39	Hospitals and Residential Care Facilities	\$0	\$0	\$0	\$0
40	Education	\$0	\$0	\$0	\$0
41	Other Municipal Government Services	\$0	\$0	\$0	\$0
42	Other Provincial and Territorial Government Services	\$0	\$0	\$0	\$0
43	Other Federal Government, including Defence services	\$0	\$0	\$0	\$0
44	Households	\$492,323	\$189,027	\$146,309	\$827,659
Total		\$492,323	\$189,027	\$146,309	\$827,659

Economic Impact Assessment - Halifax Central Library Project

Nova Scotia 2003 Public Input-Output Detailed Impact Report

July 20, 2009

HRM Central Library Impact (detailed expenditure input - purchaser \$'s)

Spinoff (indirect +induced) Federal Fiscal Impact		Federal Income Tax (\$)	Federal Sales Tax (\$)	Other Federal Taxes (\$)	Total Federal Taxes (\$)
Industry					
1	Crop and Animal Production	\$637	\$244	\$189	\$1,070
2	Forestry and Logging	\$564	\$217	\$168	\$948
3	Fishing, Hunting and Trapping	\$563	\$216	\$167	\$946
4	Support Activities for Agriculture and Forestry	\$146	\$56	\$43	\$245
5	Mining (Except Oil and Gas)	\$121	\$46	\$36	\$203
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$63	\$24	\$19	\$106
7	Electric Power Generation, Transmission and Distribution	\$4,787	\$1,838	\$1,423	\$8,048
8	Natural Gas Distribution, Water and Other Systems	\$573	\$220	\$170	\$964
9	Construction	\$2,353	\$903	\$699	\$3,955
10	Food Manufacturing	\$1,670	\$641	\$496	\$2,807
11	Textile and Textile Product	\$34	\$13	\$10	\$57
12	Wood Product Manufacturing	\$82	\$32	\$24	\$138
13	Paper Manufacturing	\$157	\$60	\$47	\$264
14	Fabricated Metal Product Manufacturing	\$210	\$81	\$62	\$353
15	Miscellaneous Manufacturing	\$3,951	\$1,517	\$1,174	\$6,643
16	Wholesale Trade	\$5,148	\$1,977	\$1,530	\$8,655
17	Retail Trade	\$27,038	\$10,381	\$8,035	\$45,454
18	Truck Transportation	\$1,413	\$542	\$420	\$2,375
19	Warehousing and Storage, Other Transportation	\$2,855	\$1,096	\$848	\$4,800
20	Postal Service and Couriers and Messengers	\$1,983	\$761	\$589	\$3,334
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$3,711	\$1,425	\$1,103	\$6,239
22	Publishing Industries, Information Services and Data Processing Service	\$4,945	\$1,899	\$1,470	\$8,314
23	Finance, Insurance, Real Estate and Rental and Leasing	\$39,335	\$15,103	\$11,690	\$66,127
24	Professional, Scientific and Technical Services	\$12,179	\$4,676	\$3,619	\$20,474
25	Administrative and Support Services	\$11,950	\$4,588	\$3,551	\$20,089
26	Waste Management and Remediation Services	\$497	\$191	\$148	\$836
27	Education Services	\$884	\$339	\$263	\$1,486
28	Health Care and Social Assistance	\$7,734	\$2,970	\$2,299	\$13,003
29	Arts, Entertainment and Recreation	\$1,714	\$658	\$509	\$2,882
30	Accommodation and Food Services	\$8,067	\$3,097	\$2,397	\$13,561
31	Repair and Maintenance	\$13,971	\$5,364	\$4,152	\$23,487
32	Grant-Making, Civic, and Professional and Similar Organizations	\$582	\$224	\$173	\$979
33	Personal and Laundry Services and Private Households	\$2,118	\$813	\$629	\$3,561
34	Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36	Transportation Margins	\$0	\$0	\$0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$6,613	\$2,539	\$1,965	\$11,118
38	Non-Profit Education Institutions	\$281	\$108	\$84	\$473
39	Hospitals and Residential Care Facilities	\$1,675	\$643	\$498	\$2,815
40	Education	\$5,030	\$1,931	\$1,495	\$8,455
41	Other Municipal Government Services	\$740	\$284	\$220	\$1,244
42	Other Provincial and Territorial Government Services	\$592	\$227	\$176	\$996
43	Other Federal Government, including Defence services	\$592	\$227	\$176	\$995
44	Households	\$0	\$0	\$0	\$0
Total		\$177,560	\$68,174	\$52,767	\$298,501

Economic Impact Assessment - Halifax Central Library Project

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15 Miscellaneous Manufacturing	\$3,951	\$1,517	\$1,174	\$6,643
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17 Retail Trade	\$27,038	\$10,381	\$8,035	\$45,454
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22 Publishing Industries, Information Services and Data Processing Service	\$4,945	\$1,899	\$1,470	\$8,314
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25 Administrative and Support Services	\$11,950	\$4,588	\$3,551	\$20,089
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34 Operating, Office, Cafeteria and Laboratory Supplies	\$0	\$0	\$0	\$0
35 Travel, Entertainment, Advertising and Promotion	\$0	\$0	\$0	\$0
36 Transportation Margins	\$0	\$0	\$0	\$0
37 Non-Profit Institutions Serving Households (Excluding Education)	\$6,613	\$2,539	\$1,965	\$11,118
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42 Other Provincial and Territorial Government Services	\$592	\$227	\$176	\$996
43 Other Federal Government, including Defence services	\$592	\$227	\$176	\$995
44 Households	\$492,323	\$189,027	\$146,309	\$827,659
Total	\$669,883	\$257,200	\$199,076	\$1,126,159