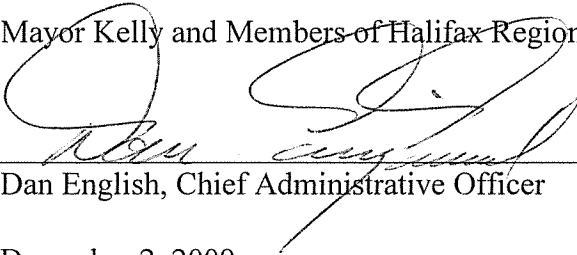




PO Box 1749
Halifax, Nova Scotia
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Item No. 4
Halifax Regional Council
December 15, 2009

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY: 
Dan English, Chief Administrative Officer

DATE: December 2, 2009

SUBJECT: Economic Impacts of Various HRM Infrastructure Projects

INFORMATION REPORT

ORIGIN

This report was initiated by staff as follow up to earlier reports including:

- March 2, 2009 report on Capital projects evaluation presented at Council's March 10, 2009 session;
- March 20, 2009 report on Capital project rankings presented at Council's April 28, 2009 session; and
- July 28, 2009 Information Report on federal funding programs included in Council's August 11, 2009 agenda.

BACKGROUND

In recent months, significant provincial and federal funding was received through the Build Canada and Federal Stimulus programs to carry out various projects on HRM's Infrastructure List. In addition to providing benefit to the general population, HRM infrastructure projects also serve to create much needed jobs and economic benefits both directly and indirectly. These projects are vital in terms of maintaining municipal service level commitments and quality of life standards for HRM residents and in making the Municipality an attractive location for potential new residents and businesses.

In order to provide Council and staff with additional insight into the benefits derived from completing the various infrastructure projects, HRM commissioned Canmac Economics Ltd. to undertake an assessment of their economic impacts. A copy of the Canmac study is attached. The infrastructure projects and construction cost estimates included in this assessment are listed in the following table taken from Canmac's report:

HRM Infrastructure Projects by Category and Construction Costs	
Project	Construction Costs
• Central Library	\$ 42,031,000
• Mainland Commons	\$ 40,700,000
Major Projects Total	\$ 82,731,000
• All Buildings Bundle (Misc. Capital Upgrades) ¹	\$ 610,000
• Halifax City Hall Restoration	\$ 2,000,000
• Herring Cover Fire Station	\$ 3,000,000
• Hubley Fire Station	\$ 3,000,000
• Waste Stabilization Facility Roof	\$ 3,000,000
Buildings Total	\$ 11,610,000
• Bridge Repairs ²	\$ 1,500,000
• Point Pleasant Park Upgrades	\$ 2,000,000
• Regional Trails (Chester Spur Corridor)	\$ 1,000,000
• Sheet Harbour Sidewalks	\$ 3,500,000
• Washmill Lake Court/102 Underpass/Regency Park	\$ 10,000,000
• Burnside/North Dartmouth Trunk Sewer	\$ 4,000,000
Roadways, Trails and Other Total	\$ 22,000,000
Grand Total All Projects	\$116,341,000

DISCUSSION

Canmac assessed the total economic impact of the above projects as follows:

- *Direct impacts*, which include the jobs and income generated by each project;
- *Indirect impacts*, which include the production, employment and income changes occurring in other businesses/industries in the community that supply inputs to the project industry; and

¹Includes Dartmouth City Hall, Captain William Spry Recapitalization

²Includes Ernst Mill Bridge replacement

- *Induced impacts*, which include the effects of spending by the households in the local economy as the result of direct and indirect effects from each project.

The impacts of these projects are expressed individually and collectively in economic terms according to employment, household income and provincial gross domestic product (GDP) in the following table taken from the Canmac report:

HRM Infrastructure Projects Construction Economic Benefits			
Project	Employment (FTE's)	Household Income	GDP
• Central Library	422.0	\$16,750,000	\$40,610,000
• Mainland Commons	455.9	\$18,234,321	\$43,740,901
Major Projects Total	877.9	\$34,984,321	\$84,350,901
• Buildings Bundle (Misc. Capital Upgrades)	7.7	\$325,151	\$779,980
• Halifax City Hall Restoration	25.2	\$1,066,070	\$2,557,314
• Herring Cover Fire Station	37.7	\$1,599,105	\$3,835,970
• Hubley Fire Station	37.7	\$1,599,105	\$3,835,970
• Waste Stabilization Facility Roof	37.7	\$1,599,105	\$3,835,970
Buildings Total	146.0	\$6,188,536	\$14,845,204
• Bridge Repairs	22.3	\$973,845	\$2,336,081
• Point Pleasant Park Upgrades	22.4	\$896,035	\$2,149,430
• Regional Trails (Chester Spur Corridor)	11.2	\$448,018	\$1,074,715
• Sheet Harbour Sidewalks	39.2	\$1,568,062	\$3,761,503
• Washmill Lake /102/Regency Park	144.5	\$5,970,400	\$14,321,931
• Burnside/North Dartmouth Trunk Sewer	44.8	\$1,792,071	\$4,298,860
Roadways, Trails and Other Total	284.4	\$11,648,431	\$27,942,520
Grand Total All Projects	1,308.3	\$52,821,288	\$127,138,625

The above estimates represent the overall economic benefit from these projects in terms of their impact on HRM's economy. During the construction phase, these projects are estimated to generate:

- Total employment of 1,308 jobs
- Total household income of \$52.8 Million
- Total provincial gross domestic product of \$127.1 Million

Indirect, Fiscal and Legacy Impacts

Comparatively, the total GDP generated by the construction of these projects exceeds the total value of construction by some \$10.8 Million. This difference is referred to as an indirect economic benefit to the provincial and local economy.

Additionally, governments are able to generate revenues through taxes generated from wages earned and on supplies purchased during construction of these projects. Using the Provincial Input/Output model, Canmac estimated these fiscal benefits, taking into account subsidies and rebates and found these fiscal benefits to be significant. During the construction phase, the Federal Government would generate \$7,316,965 in total taxes while the Province would generate \$7,356,607 in total taxes.

Although the economic impacts of these infrastructure projects would be significant at any point in time, the projects occur at a time where overall economic activity in the region is low due to a downturn in the global economy. The actual degree of impact is arguably higher under these circumstances than under more normal economic conditions. This is one of the principal reasons behind governments stimulus programs. Construction, service and supply jobs that might otherwise have been lost or moved to other locations remain here in HRM and Nova Scotia while at the same time, resulting in much needed municipal infrastructure.

Canmac also examined and provided commentary on legacy impacts associated with these HRM infrastructure projects. Legacy refers to the contribution the projects make to the longer term social and economic goals of HRM and are sometimes referred to by economists as externalities. These are generally expressed in qualitative terms, particularly for public infrastructure. In summary:

- The library will be a major addition to HRM's Cultural sector and knowledge infrastructure and will enable a function and programs that are of value to the community currently being undertaken in an outdated facility to continue providing benefit to residents and visitors over the long term.
- The Mainland Common facility will provide a world-class venue to attract and host larger events than was previously possible. Additional sporting events serve to generate economic activity, provide opportunities to showcase local talent and promote active, healthy lifestyles. The facility would also serve as a training facility for elite athletes while providing residents with a much improved facility to meet their recreational needs, contributing to the health and well-being of the population. This represents a benefits that may not otherwise be derived by existing facilities.

- As a group the remaining projects, whether they be a new fire station (enhanced life safety), additions to the trails system (active, healthy lifestyles), improvements to the potential of business parks (economic development), trunk sewer upgrades (sustainable urban growth) or various projects intended to bring building and other fixed assets up to standard, all contribute to HRM as a whole and have lasting positive impacts.

BUDGET IMPLICATIONS

There are no budget implications associated with this report.

FINANCIAL MANAGEMENT POLICIES/BUSINESS PLAN

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Capital and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Capital and Operating reserves, as well as any relevant legislation.

ATTACHMENTS

Canmac Study - Economic Impact Assessment of Infrastructure Projects in the HRM

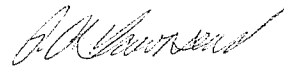
A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/cagenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

Report Prepared by: Jim Donovan, Manager, Economic Development, 490-1742

Report Approved by:



Jennifer Church, Managing Director, External & Corporate Affairs, 490-3677



Phillip Townsend, Director, Infrastructure & Asset Management, 490-7166

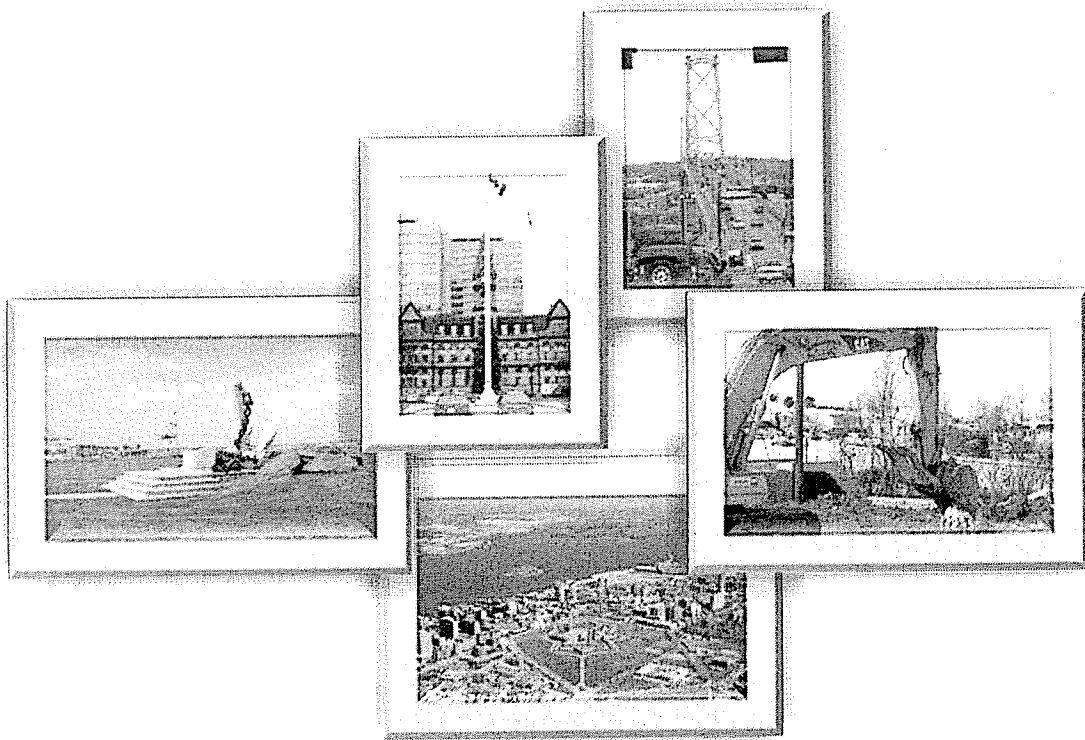
Financial Approval by:



Cathie O'Toole, CGA, Director of Finance, 490-6308

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ECONOMIC IMPACT ASSESSMENT OF INFRASTRUCTURE PROJECTS IN THE HRM



PREPARED BY

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EXECUTIVE SUMMARY

The purpose of this report is to document the construction economic impact of infrastructure projects in the Halifax Regional Municipality (HRM).

Canmac's assessment of the project's economic impact is estimated by simulating the construction expenditures using the Nova Scotia Input-Output Model. The infrastructure projects included in this assessment are:

- HRM Central Library;
- Mainland Common Project;
- Sheet Harbour Sidewalk Paving;
- Regional Trails – Chester Spur Line;
- Hubley and Herring Cove Fire Stations;
- Halifax City Hall Stone Restoration;
- Burnside/North Dartmouth Trunk Sewer;
- Highway 102 Overpass;
- Waste Stabilization Facility Roof;
- Point Pleasant Park Upgrades;
- Dartmouth City Hall/Captain William Spry Centre Recapitalization;
- Ernst Mill Bridge Replacement.

The major findings of this report are:

1. During the construction phase the projects are estimated to create:
 - Total employment of 1,308.4 jobs.

- Total household income of \$52.8 million.
 - Total Provincial Gross Domestic Product of \$127.1 million.
2. In addition to the construction economic impact, these projects will have significant legacy impacts such as:
- Building a strong urban core – a key component of the HRM economic development strategy;
 - Significantly enhance the ability of the HRM to host world-class sporting events;
 - Providing residents of HRM with improved recreational facilities and enhance quality of life;
 - Improving the safety of stakeholders of certain municipal assets;
 - Improving the ability of HRM residents to use active transportation and recreation;
 - Enhancing the development potential of two of HRM's business parks;
 - Improving the ability of HRM Emergency services, specifically fire fighters, to operate safely and effectively in protecting the citizens of HRM;
 - Replacing older municipal assets that are no longer cost effective to repair.

In summary, the infrastructure projects reviewed in this report will inject \$116.3 million in the local economy creating significant construction and related employment activity and enhancing the overall service capability of the HRM.

CHAPTER 1 – INTRODUCTION

1.1 INTRODUCTION

The purpose of this report is to document the economic impact of infrastructure projects in the Halifax Regional Municipality (HRM). 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

Halifax Regional Municipality infrastructure projects are a vital part of keeping the municipality not only functional and safe, but also enjoyable and attractive for current and potential residents. The proposed projects, which cover a broad range of important subjects, will serve to not only maintain, but improve the quality of life for the residents of HRM.

In addition to the benefits for the general population, the projects will also serve to create much needed jobs and income, both directly and indirectly. Collectively, the

construction of the projects will serve as a stimulus to the local economy, while several of the projects will allow for the expansion of two of HRM's business parks, namely Bayers Lake and Burnside Industrial Park. This will, in turn, attract new businesses to the region, further creating new jobs.

Components

The roster of planned infrastructure projects will include:

- HRM Central Library;
- Mainland Common Project;
- Sheet Harbour Sidewalk Paving;
- Regional Trails – Chester Spur Line;
- Hubley and Herring Cove Fire Stations;
- Halifax City Hall Stone Restoration;
- Burnside/North Dartmouth Trunk Sewer;
- Highway 102 Overpass;
- Waste Stabilization Facility Roof;
- Point Pleasant Park Upgrades;
- Dartmouth City Hall/Captain William Spry Centre Recapitalization;
- Ernst Mill Bridge Replacement.

1.3 METHODOLOGY

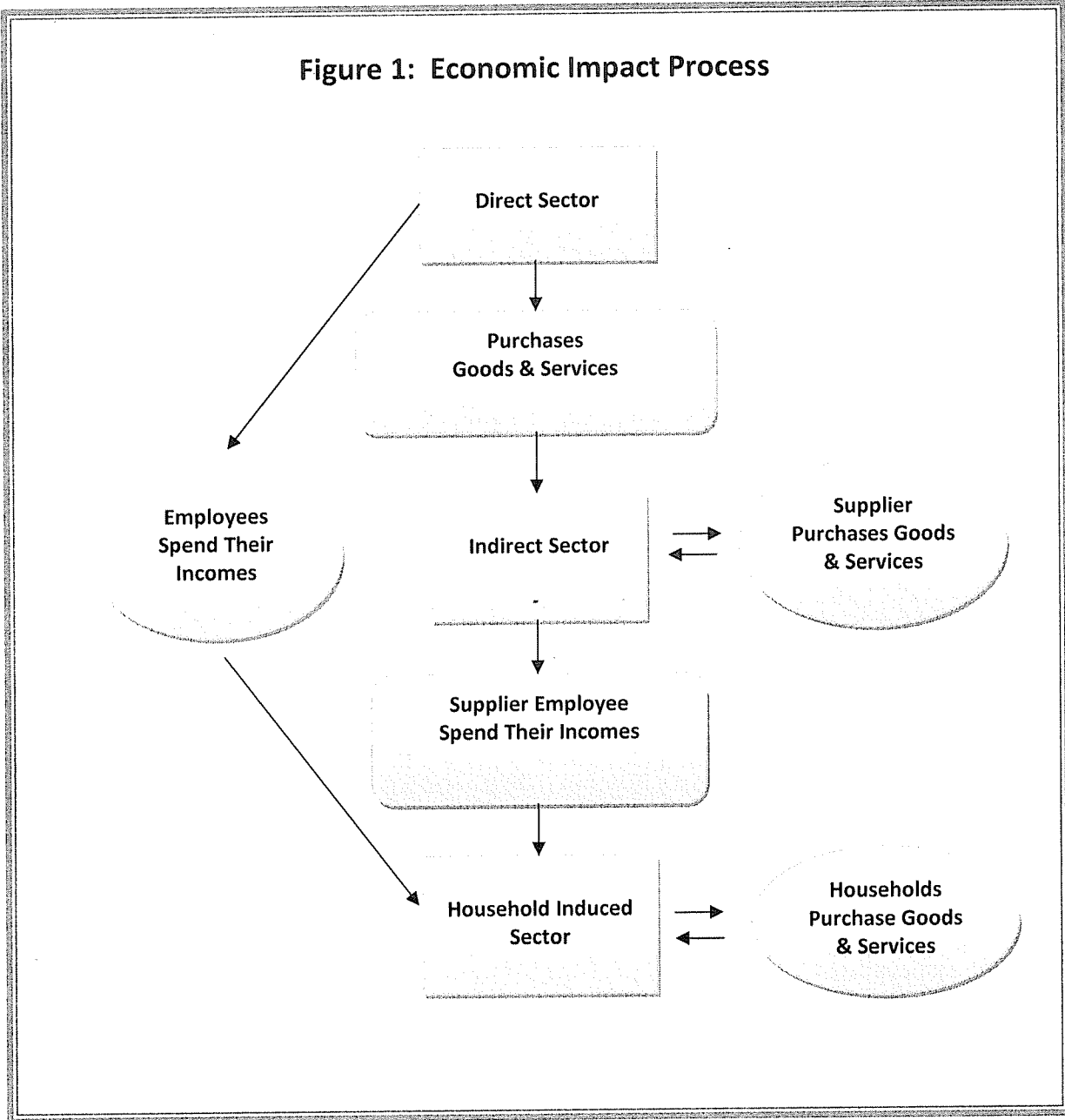
Our economic impact assessment determines the economic importance of the sector by measuring key impact indicators which include:

- 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 the construction 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 next section provides the construction impact. Section 2.3 provides the fiscal impact, Section 2.4 discusses the legacy impact and finally Section 2.5 discusses the summary and conclusions of the assessment of HRM infrastructure projects.

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 1 outlines the major construction costs of the new infrastructure projects. Overall the construction of these projects will cost \$116,341,000 (2009\$).

HRM Infrastructure Projects - Construction Costs (2009\$)	
Project	Construction Costs
HRM Central Library	\$42,031,000
Mainland Commons Project	\$40,700,000
Buildings	\$11,610,000
All Buildings Bundle (Misc. Capital Upgrades)	\$610,000
Halifax City Hall Restoration	\$2,000,000
Herring Cove Fire Station	\$3,000,000
Hubley Fire Station	\$3,000,000
Waste Stabilization Facility Roof	\$3,000,000
Roadways, Bridge and Other	\$22,000,000
Bridge Repairs	\$1,500,000
Point Pleasant Park Upgrades	\$2,000,000
Regional Trails (Chester Spur Line)	\$1,000,000
Sheet Harbour Sidewalks	\$3,500,000
Washmill Lake/102 Underpass/Regency Park	\$10,000,000
Burnside/North Dartmouth (Trunk Sewer)	\$4,000,000
Total	\$116,341,000
<i>Source: Halifax Regional Municipality</i>	

Table 2 provides the construction impact results as a total of all the projects. The appendix provides more detailed results. The total impact is expected to generate:

- 1,308.4 person years of employment;
- \$52.8 million in household income; and
- \$127.1 million in GDP.

HRM Infrastructure Projects - Construction Economic Benefits			
Project	FTE Employment	Household Income	GDP
HRM Central Library	422.0	\$16,750,000	\$40,610,000
Mainland Commons Project	455.9	\$18,234,321	\$43,740,901
Buildings	146.1	\$6,188,536	\$14,845,202
All Buildings Bundle (Misc. Capital Upgrades)	7.7	\$325,151	\$779,980
Halifax City Hall Restoration	25.2	\$1,066,070	\$2,557,314
Herring Cove Fire Station	37.7	\$1,599,105	\$3,835,970
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Roadways, Bridge and Other	284.4	\$11,648,431	\$27,942,519
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Washmill Lake/102 Underpass/Regency Park	144.5	\$5,970,400	\$14,321,931
Burnside/North Dartmouth (Trunk Sewer)	44.8	\$1,792,071	\$4,298,860
Total	1,308.4	\$52,821,288	\$127,138,623
<i>Source: Calculated by Canmac</i>			
<i>Note - The input, Construction Cost, was reduced by 15% from the original amount.</i>			

2.3 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, as well as taxes on supplies purchased during construction of these projects.

The Federal Government will generate \$7,316,965 in total taxes during the construction phase of the infrastructure projects. Provincially, the government will generate

\$7,356,607 during the construction phase. A breakdown of the fiscal impact of the infrastructure projects is found in Table 3. The I-O Model output printouts found in the appendices give a further breakdown of Table 3 including the amount of income tax generated.

Table 3	
Fiscal Impacts	
	Construction Phase
Federal	\$7,316,965
Provincial	\$7,356,607
Total	\$14,673,572
<i>Source: Calculated by Canmac Economics</i>	

2.4 LEGACY IMPACTS

In addition to the construction economic impacts associated with HRM Infrastructure Projects, there are a number of legacy impacts. Legacy impacts refer to the contribution of the projects to the broader long term social and economic goals of the HRM. Legacy impacts are, by definition, more qualitative than construction impacts.

With respect to the Central Library, there are a number of legacy impacts. The Central Library will contribute to the broader long term social and economic goals of the HRM. It is a major addition to the HRM's Art and Culture Sector and knowledge infrastructure.

The Mainland Common project will provide a world-class facility for the HRM to host events on a much larger stage than previously possible. In addition, it will give residents a much improved facility to use for recreational needs, contributing to the health and well-being of the population.

As a group, the remaining projects will also have a lasting benefit to the citizens of HRM, whether it is improved fire stations, creating modes of recreational transport,

bringing municipal building assets up to date or improving the development potential of business parks. While not all of the projects may have the profile of the Central Library or Mainland Commons projects, they are indeed necessary and certainly contribute to improving the HRM as a whole.

2.5 SUMMARY AND CONCLUSIONS

The HRM infrastructure projects provide significant economic benefits to the HRM. During construction, the projects will create total household income of \$52,821,288, total GDP of \$127,138,623 as well as 1,308.4 full time equivalent jobs.

In addition to creating household income, GDP and jobs, the projects will create tax revenue for the Federal and Provincial governments. During construction, the projects will create \$7,316,965 in taxes federally and \$7,356,607 provincially.

APPENDIX A – DETAILED PROJECT DESCRIPTIONS

Project Names and Descriptions

The Halifax Central Library

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 centre 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 approximately 108,740 square feet.

The Mainland Common Canada Games Center

The Mainland Common Canada Games Center is intended to be a first class multi-purpose and training facility that provides a major new centre for high performance sports training and competition in Atlantic Canada and promotes healthy and active living for residents of the community at large.

The planned facility will be a showcase venue for the 2011 Canada Winter Games. Following the Games, the facility will be Nova Scotia's premier sport and recreation facility, ultimately for the residents of the Halifax Regional Municipality (HRM), but also for citizens of the Province and the Maritime Provinces. The facility will be approximately 140,000 square feet in size.

Bridge Replacement - Ernst Mill Bridge (Lake Major Road)

The structures are nearing the end of their service life and Infrastructure Stimulus funds would allow us to replace the bridges as it is more cost effective than repairing at this point in their lifecycle. The Ernst Mill Bridge is located on Lake Major Road and crosses the Salmon River. The proposed replacement structure shall be a precast concrete rigid portal frame bridge with concrete abutment footings. As part of the replacement project, the new cross section will include 2-4m driving lanes and accommodates a new sidewalk trail.

Buildings

Recapitalization work for Captain William Spry Centre, and the former Dartmouth City Hall. Recap work includes priority upgrades such as boiler and window replacements. It also includes plumbing, septic and elevator upgrades to ensure that the buildings satisfy existing building and safety codes.

<p><i>Point Pleasant Park Upgrades</i></p> <p>Point Pleasant Park Upgrades is a phased approach to recapitalize the park. We have increased the scope of the rehabilitation work to include parking lot upgrades and a major overhaul to the roads and pathways.</p>
<p><i>Waste Stabilization Facility Roof</i></p> <p>Replacement of the roof on the high rate composting facility at the Otter Lake Landfill. This would be a 3 phased project. Phase 1, which would begin this fall, would reinforce the existing structure, Phase 2 would be to construct a new roof using the existing roof as a platform and Phase 3 would be removing the old roof.</p>
<p><i>102 Overpass</i></p> <p>The project will involve creating an overpass structure at the 102 Provincial Highway to allow for the extension of Washmill Lake Court in Bayers Lake to eventually connect to regency Park Drive/Main Avenue. Washmill Lake Court is currently a two lane court and will be upgraded to a major collector with four lanes, complete with Bike lanes, sidewalks and storm water services. The project will construct two concrete overpass structures along Hwy 102 to facilitate the extension of Washmill Lake Court. The overpass creates a third entrance/exit to the Bayers Lake Business Park. The work includes the lengthening of roads 250m on the Bayers Lake side of the 102 and 500m on the Regency Park side of the 102.</p>
<p><i>Burnside/North Dartmouth Trunk Sewer</i></p> <p>The North Dartmouth Trunk Sewer (NDTS) is a vital service for the development of the northeast quadrant of the former City of Dartmouth. This project will involve providing the necessary extension/connection of gravity sewer from the expansion lands of Burnside Business Park to the current termination point of the NDTS. This involves extending the existing gravity sewer 2km on the west side of Hwy 118 at a 5 metre offset outside the provincial Hwy right-of-way. It also includes upgrading the pipeline from 450mm to 900mm diameter.</p>
<p><i>Halifax City Hall Stone Restoration</i></p> <p>Deterioration of the stone work at City Hall has reached a point where the building envelope is being compromised and public safety around the building is becoming a liability. The project is a systematic, 4 phase restoration of the stone facades of City Hall, beginning with the Argyle St. elevation. Work includes redressing, cleaning, repainting and rebuilding of the sculptured details. Halifax City Hall is located on the corner of Duke and Argyle Streets.</p>

Herring Cove Fire Station

A replacement of the Herring Cove Fire Station. The station was originally constructed in 1967 and underwent an expansion in 1985. A structural evaluation has determined that the deficiencies in the building are beyond cost effective to repair. The Fire station is located on Ketch Harbour Road in Herring Cove, NS, approximately 15 km south of downtown Halifax. The building will be a 4-bay composite station with a mix of full-time and volunteer firefighters. The station is an engine tanker rescue unit and has 2 full-time staff and will likely be expanded in the future.

Hubley Fire Station

Construction of a new fire station will replace two existing fire stations. The building will be a 4-bay composite station with a mix of full-time and volunteer firefighters. The station is an engine tanker rescue unit and has 2 full-time staff and will likely be expanded in the future.

Regional Trails - Chester Spur Line

The Chester Spur Line will be a paved active transportation trail 8.6km long and 4m wide. It is in an abandoned rail corridor that runs from Timberlea and branches off into two different directions ending at Joseph Howe Drive and the Armdale Rotary. The work includes grading, paving and installation of guard rails.

Sheet Harbour Sidewalk Paving

Paving 2.7km of concrete sidewalk, curbs and the installation of storm sewers. The sidewalk will be on the #7 HWY from the East River Bridge to the St Andrews loop in Watt section and from Lake Road to route #224.

APPENDIX B – SAMPLE SIMULATION

This appendix shows the detailed simulation for the general category projects:

Point Pleasant Park Upgrades	\$ 2,000,000
Regional Trails (Chester Spur Line)	\$ 1,000,000
Sheet Harbour Sidewalks	\$ 3,500,000
Burnside/North Dartmouth (Trunk Sewer)	<u>\$ 4,000,000</u>
Total	\$10,500,000

Other projects were simulated and then further adjusted using more detailed multipliers from the Nova Scotia Department of Finance disaggregated I-O Model.

HRM Infrastructure Projects Impact - Other Category (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	\$8,863,066	\$2,762,109	61.5	\$3,331,735
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	\$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		\$8,863,066	\$2,762,109	61.5	\$3,331,735

HRM Infrastructure Projects Impact - Other Category (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	\$61,083	\$11,602	0.8	\$22,926
2	Forestry and Logging	\$69,655	\$18,381	0.5	\$28,778
3	Fishing, Hunting and Trapping	\$14,644	\$5,426	0.1	\$7,628
4	Support Activities for Agriculture and Forestry	\$9,309	\$2,851	0.1	\$4,544
5	Mining (Except Oil and Gas)	\$32,480	\$11,325	0.2	\$28,973
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extracti	\$204,253	\$11,477	0.2	\$155,834
7	Electric Power Generation, Transmission and Distribution	\$135,792	\$18,039	0.3	\$89,294
8	Natural Gas Distribution, Water and Other Systems	\$6,968	\$2,575	0.0	\$4,312
9	Construction	\$84,609	\$26,368	0.6	\$31,806
10	Food Manufacturing	\$110,703	\$17,235	0.5	\$26,043
11	Textile and Textile Product	\$7,998	\$1,422	0.0	\$3,801
12	Wood Product Manufacturing	\$157,711	\$29,272	0.8	\$59,552
13	Paper Manufacturing	\$24,685	\$5,091	0.1	\$5,852
14	Fabricated Metal Product Manufacturing	\$167,211	\$54,291	1.3	\$62,842
15	Miscellaneous Manufacturing	\$634,123	\$109,448	2.4	\$193,185
16	Wholesale Trade	\$380,960	\$143,561	3.6	\$222,007
17	Retail Trade	\$543,698	\$273,048	12.0	\$341,749
18	Truck Transportation	\$58,981	\$21,557	0.6	\$29,164
19	Warehousing and Storage, Other Transportation	\$120,110	\$43,987	1.1	\$55,457
20	Postal Service and Couriers and Messengers	\$35,202	\$25,727	0.7	\$22,336
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$174,860	\$40,913	1.0	\$118,661
22	Publishing Industries, Information Services and Data Processing Service	\$45,020	\$16,894	0.5	\$23,369
23	Finance, Insurance, Real Estate and Rental and Leasing	\$1,270,473	\$364,080	3.7	\$889,068
24	Professional, Scientific and Technical Services	\$426,670	\$198,216	5.0	\$239,138
25	Administrative and Support Services	\$186,978	\$110,425	4.0	\$127,810
26	Waste Management and Remediation Services	\$15,406	\$5,706	0.2	\$10,191
27	Education Services	\$12,039	\$7,915	0.4	\$8,786
28	Health Care and Social Assistance	\$84,975	\$57,808	1.6	\$67,388
29	Arts, Entertainment and Recreation	\$46,998	\$14,118	1.0	\$21,037
30	Accommodation and Food Services	\$174,272	\$63,833	3.9	\$81,449
31	Repair and Maintenance	\$72,229	\$31,495	1.4	\$41,855
32	Grant-Making, Civic, and Professional and Similar Organizations	\$18,407	\$10,520	0.3	\$11,750
33	Personal and Laundry Services and Private Households	\$69,441	\$36,654	3.2	\$45,798
34	Operating, Office, Cafeteria and Laboratory Supplies	\$392,356	\$0	0.0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$203,042	\$0	0.0	\$0
36	Transportation Margins	\$92,592	\$0	0.0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$86,199	\$52,071	1.9	\$54,455
38	Non-Profit Education Institutions	\$2,934	\$2,202	0.1	\$2,294
39	Hospitals and Residential Care Facilities	\$24,489	\$17,176	0.4	\$17,899
40	Education	\$65,409	\$48,260	1.0	\$51,623
41	Other Municipal Government Services	\$23,339	\$8,123	0.3	\$11,882
42	Other Provincial and Territorial Government Services	\$34,972	\$9,957	0.2	\$13,509
43	Other Federal Government, including Defence services	\$26,759	\$13,025	0.2	\$14,741
44	Households	\$4,704,186	\$0	0.0	\$4,704,186
Total		\$11,104,223	\$1,942,077	56.1	\$7,952,773

HRM Infrastructure Projects Impact - Other Category (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	\$61,083	\$11,602	0.8	\$22,926
2	Forestry and Logging	\$59,655	\$18,381	0.5	\$28,778
3	Fishing, Hunting and Trapping	\$14,644	\$5,426	0.1	\$7,628
4	Support Activities for Agriculture and Forestry	\$9,309	\$2,851	0.1	\$4,544
5	Mining (Except Oil and Gas)	\$32,480	\$11,325	0.2	\$28,973
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extracti	\$204,253	\$11,477	0.2	\$155,834
7	Electric Power Generation, Transmission and Distribution	\$135,792	\$18,039	0.3	\$89,294
8	Natural Gas Distribution, Water and Other Systems	\$6,968	\$2,575	0.0	\$4,312
9	Construction	\$8,947,676	\$2,788,477	62.1	\$3,363,541
10	Food Manufacturing	\$110,703	\$17,235	0.5	\$28,043
11	Textile and Textile Product	\$7,998	\$1,422	0.0	\$3,801
12	Wood Product Manufacturing	\$157,711	\$29,272	0.8	\$59,552
13	Paper Manufacturing	\$24,685	\$5,091	0.1	\$5,852
14	Fabricated Metal Product Manufacturing	\$167,211	\$54,291	1.3	\$62,642
15	Miscellaneous Manufacturing	\$634,123	\$109,448	2.4	\$193,185
16	Wholesale Trade	\$380,960	\$143,561	3.6	\$222,007
17	Retail Trade	\$543,698	\$273,048	12.0	\$341,749
18	Truck Transportation	\$58,981	\$21,557	0.6	\$29,164
19	Warehousing and Storage, Other Transportation	\$120,110	\$43,987	1.1	\$55,457
20	Postal Service and Couriers and Messengers	\$35,202	\$25,727	0.7	\$22,336
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$174,860	\$40,913	1.0	\$118,661
22	Publishing Industries, Information Services and Data Processing Service	\$45,020	\$16,894	0.5	\$23,369
23	Finance, Insurance, Real Estate and Rental and Leasing	\$1,270,473	\$364,080	3.7	\$889,068
24	Professional, Scientific and Technical Services	\$426,670	\$198,216	5.0	\$239,138
25	Administrative and Support Services	\$186,978	\$110,425	4.0	\$127,810
26	Waste Management and Remediation Services	\$15,406	\$5,706	0.2	\$10,191
27	Education Services	\$12,039	\$7,915	0.4	\$8,786
28	Health Care and Social Assistance	\$84,975	\$57,808	1.6	\$67,388
29	Arts, Entertainment and Recreation	\$46,998	\$14,118	1.0	\$21,037
30	Accommodation and Food Services	\$174,272	\$63,833	3.9	\$81,449
31	Repair and Maintenance	\$72,229	\$31,495	1.4	\$41,855
32	Grant-Making, Civic, and Professional and Similar Organizations	\$18,407	\$10,520	0.3	\$11,750
33	Personal and Laundry Services and Private Households	\$69,441	\$36,654	3.2	\$45,798
34	Operating, Office, Cafeteria and Laboratory Supplies	\$392,356	\$0	0.0	\$0
35	Travel, Entertainment, Advertising and Promotion	\$203,042	\$0	0.0	\$0
36	Transportation Margins	\$92,592	\$0	0.0	\$0
37	Non-Profit Institutions Serving Households (Excluding Education)	\$86,199	\$52,071	1.9	\$54,455
38	Non-Profit Education Institutions	\$2,934	\$2,202	0.1	\$2,294
39	Hospitals and Residential Care Facilities	\$24,489	\$17,176	0.4	\$17,899
40	Education	\$65,409	\$48,260	1.0	\$51,623
41	Other Municipal Government Services	\$23,339	\$8,123	0.3	\$11,882
42	Other Provincial and Territorial Government Services	\$34,972	\$9,957	0.2	\$13,509
43	Other Federal Government, including Defence services	\$26,759	\$13,025	0.2	\$14,741
44	Households	\$4,704,186	\$0	0.0	\$4,704,186
Total		\$19,967,289	\$4,704,186	117.6	\$11,284,508

HRM Infrastructure Projects Impact - Other Category (detailed expenditure input - purchaser \$'s)

Direct Provincial Fiscal Impact		Provincial	Provincial Sales	Other Provincial	Total Provincial
		Income 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	\$160,393	\$135,797	\$109,846	\$406,036
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	\$0	\$0	\$0	\$0
Total		\$160,393	\$135,797	\$109,846	\$406,036

HRM Infrastructure Projects Impact - Other Category (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	\$674	\$570	\$461	\$1,706
2	Forestry and Logging	\$1,067	\$904	\$731	\$2,702
3	Fishing, Hunting and Trapping	\$315	\$267	\$216	\$798
4	Support Activities for Agriculture and Forestry	\$166	\$140	\$113	\$419
5	Mining (Except Oil and Gas)	\$658	\$557	\$450	\$1,665
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$666	\$564	\$456	\$1,687
7	Electric Power Generation, Transmission and Distribution	\$1,047	\$887	\$717	\$2,652
8	Natural Gas Distribution, Water and Other Systems	\$150	\$127	\$102	\$379
9	Construction	\$1,531	\$1,296	\$1,049	\$3,876
10	Food Manufacturing	\$1,001	\$847	\$685	\$2,534
11	Textile and Textile Product	\$83	\$70	\$57	\$209
12	Wood Product Manufacturing	\$1,700	\$1,439	\$1,164	\$4,303
13	Paper Manufacturing	\$296	\$250	\$202	\$748
14	Fabricated Metal Product Manufacturing	\$3,153	\$2,669	\$2,159	\$7,981
15	Miscellaneous Manufacturing	\$6,356	\$5,381	\$4,353	\$16,089
16	Wholesale Trade	\$8,336	\$7,058	\$5,709	\$21,104
17	Retail Trade	\$15,856	\$13,424	\$10,859	\$40,139
18	Truck Transportation	\$1,252	\$1,060	\$857	\$3,169
19	Warehousing and Storage, Other Transportation	\$2,554	\$2,163	\$1,749	\$6,466
20	Postal Service and Couriers and Messengers	\$1,494	\$1,265	\$1,023	\$3,782
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$2,376	\$2,011	\$1,627	\$6,014
22	Publishing Industries, Information Services and Data Processing Service	\$981	\$831	\$672	\$2,483
23	Finance, Insurance, Real Estate and Rental and Leasing	\$21,142	\$17,900	\$14,479	\$53,521
24	Professional, Scientific and Technical Services	\$11,510	\$9,745	\$7,883	\$29,138
25	Administrative and Support Services	\$6,412	\$5,429	\$4,392	\$16,233
26	Waste Management and Remediation Services	\$331	\$281	\$227	\$839
27	Education Services	\$460	\$389	\$315	\$1,164
28	Health Care and Social Assistance	\$3,357	\$2,842	\$2,299	\$8,498
29	Arts, Entertainment and Recreation	\$820	\$694	\$561	\$2,075
30	Accommodation and Food Services	\$3,707	\$3,138	\$2,539	\$9,384
31	Repair and Maintenance	\$1,829	\$1,548	\$1,253	\$4,630
32	Grant-Making, Civic, and Professional and Similar Organizations	\$611	\$517	\$418	\$1,547
33	Personal and Laundry Services and Private Households	\$2,128	\$1,802	\$1,458	\$5,388
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)	\$3,024	\$2,560	\$2,071	\$7,655
38	Non-Profit Education Institutions	\$128	\$108	\$88	\$324
39	Hospitals and Residential Care Facilities	\$997	\$844	\$683	\$2,525
40	Education	\$2,802	\$2,373	\$1,919	\$7,094
41	Other Municipal Government Services	\$472	\$399	\$323	\$1,194
42	Other Provincial and Territorial Government Services	\$578	\$490	\$396	\$1,464
43	Other Federal Government, including Defence services	\$756	\$640	\$518	\$1,915
44	Households	\$0	\$0	\$0	\$0
Total		\$112,774	\$95,481	\$77,234	\$285,489

HRM Infrastructure Projects Impact - Other Category (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	\$674	\$570	\$461	\$1,706
2	Forestry and Logging	\$1,067	\$904	\$731	\$2,702
3	Fishing, Hunting and Trapping	\$315	\$267	\$216	\$798
4	Support Activities for Agriculture and Forestry	\$166	\$140	\$113	\$419
5	Mining (Except Oil and Gas)	\$658	\$557	\$450	\$1,665
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extracti	\$666	\$564	\$456	\$1,687
7	Electric Power Generation, Transmission and Distribution	\$1,047	\$887	\$717	\$2,652
8	Natural Gas Distribution, Water and Other Systems	\$150	\$127	\$102	\$379
9	Construction	\$161,924	\$137,093	\$110,895	\$409,912
10	Food Manufacturing	\$1,001	\$847	\$685	\$2,534
11	Textile and Textile Product	\$83	\$70	\$57	\$209
12	Wood Product Manufacturing	\$1,700	\$1,439	\$1,164	\$4,303
13	Paper Manufacturing	\$296	\$250	\$202	\$748
14	Fabricated Metal Product Manufacturing	\$3,153	\$2,669	\$2,159	\$7,981
15	Miscellaneous Manufacturing	\$6,356	\$5,381	\$4,353	\$16,089
16	Wholesale Trade	\$8,336	\$7,068	\$5,709	\$21,104
17	Retail Trade	\$15,856	\$13,424	\$10,859	\$40,139
18	Truck Transportation	\$1,252	\$1,060	\$857	\$3,169
19	Warehousing and Storage, Other Transportation	\$2,554	\$2,163	\$1,749	\$6,466
20	Postal Service and Couriers and Messengers	\$1,494	\$1,265	\$1,023	\$3,782
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$2,376	\$2,011	\$1,627	\$6,014
22	Publishing Industries, Information Services and Data Processing Service	\$981	\$831	\$672	\$2,483
23	Finance, Insurance, Real Estate and Rental and Leasing	\$21,142	\$17,900	\$14,479	\$53,521
24	Professional, Scientific and Technical Services	\$11,510	\$9,745	\$7,883	\$29,138
25	Administrative and Support Services	\$6,412	\$5,429	\$4,392	\$16,233
26	Waste Management and Remediation Services	\$331	\$281	\$227	\$839
27	Education Services	\$460	\$389	\$315	\$1,164
28	Health Care and Social Assistance	\$3,357	\$2,842	\$2,299	\$8,498
29	Arts, Entertainment and Recreation	\$820	\$694	\$561	\$2,075
30	Accommodation and Food Services	\$3,707	\$3,138	\$2,539	\$9,384
31	Repair and Maintenance	\$1,829	\$1,548	\$1,253	\$4,630
32	Grant-Making, Civic, and Professional and Similar Organizations	\$611	\$517	\$418	\$1,547
33	Personal and Laundry Services and Private Households	\$2,128	\$1,802	\$1,458	\$5,388
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)	\$3,024	\$2,560	\$2,071	\$7,655
38	Non-Profit Education Institutions	\$128	\$108	\$88	\$324
39	Hospitals and Residential Care Facilities	\$997	\$844	\$683	\$2,525
40	Education	\$2,802	\$2,373	\$1,919	\$7,094
41	Other Municipal Government Services	\$472	\$399	\$323	\$1,194
42	Other Provincial and Territorial Government Services	\$578	\$490	\$396	\$1,464
43	Other Federal Government, including Defence services	\$756	\$640	\$518	\$1,915
44	Households	\$0	\$0	\$0	\$0
Total		\$273,167	\$231,278	\$187,080	\$691,525

HRM Infrastructure Projects Impact - Other Category (detailed expenditure input - purchaser \$'s)

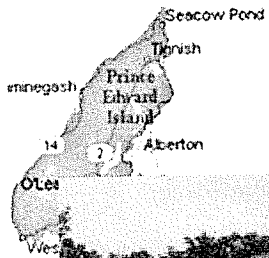
Direct Federal Fiscal Impact		Federal Income Tax (\$)	Federal Sales Tax (\$)	Other Federal Taxes (\$)	Total Federal Taxes (\$)
Industry					
1	Crop and Animal Production	\$0	\$0	\$0	\$0
2	Forestry and Logging	\$0	\$0	\$0	\$0
3	Fishing, Hunting and Trapping	\$0	\$0	\$0	\$0
4	Support Activities for Agriculture 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	\$240,224	\$92,234	\$71,390	\$403,848
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	\$0	\$0	\$0	\$0
Total		\$240,224	\$92,234	\$71,390	\$403,848

HRM Infrastructure Projects Impact - Other Category (detailed expenditure input - purchaser \$'s)

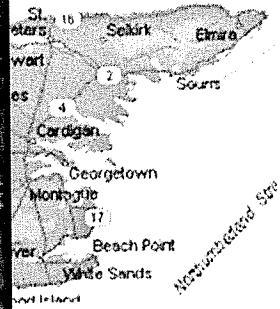
Spinoff (indirect +induced) Federal Fiscal Impact		Federal Income Tax (\$)	Federal Sales Tax (\$)	Other Federal Taxes (\$)	Total Federal Taxes (\$)
	Industry				
1	Crop and Animal Production	\$1,009	\$387	\$300	\$1,696
2	Forestry and Logging	\$1,599	\$614	\$475	\$2,687
3	Fishing, Hunting and Trapping	\$472	\$181	\$140	\$793
4	Support Activities for Agriculture and Forestry	\$248	\$95	\$74	\$417
5	Mining (Except Oil and Gas)	\$985	\$378	\$293	\$1,656
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$998	\$383	\$297	\$1,678
7	Electric Power Generation, Transmission and Distribution	\$1,569	\$602	\$466	\$2,637
8	Natural Gas Distribution, Water and Other Systems	\$224	\$86	\$67	\$377
9	Construction	\$2,293	\$880	\$682	\$3,855
10	Food Manufacturing	\$1,499	\$576	\$445	\$2,520
11	Textile and Textile Product	\$124	\$47	\$37	\$208
12	Wood Product Manufacturing	\$2,546	\$977	\$757	\$4,280
13	Paper Manufacturing	\$443	\$170	\$132	\$744
14	Fabricated Metal Product Manufacturing	\$4,722	\$1,813	\$1,403	\$7,938
15	Miscellaneous Manufacturing	\$9,519	\$3,655	\$2,829	\$16,002
16	Wholesale Trade	\$12,486	\$4,794	\$3,711	\$20,990
17	Retail Trade	\$23,747	\$9,118	\$7,057	\$39,922
18	Truck Transportation	\$1,875	\$720	\$557	\$3,152
19	Warehousing and Storage, Other Transportation	\$3,826	\$1,469	\$1,137	\$6,431
20	Postal Service and Couriers and Messengers	\$2,237	\$859	\$665	\$3,761
21	Motion Picture and Sound Recording, Broadcasting and Telecommunications	\$3,558	\$1,366	\$1,057	\$5,982
22	Publishing Industries, Information Services and Data Processing Service	\$1,469	\$564	\$437	\$2,470
23	Finance, Insurance, Real Estate and Rental and Leasing	\$31,665	\$12,158	\$9,410	\$53,232
24	Professional, Scientific and Technical Services	\$17,239	\$6,619	\$5,123	\$28,981
25	Administrative and Support Services	\$9,604	\$3,687	\$2,854	\$16,145
26	Waste Management and Remediation Services	\$496	\$191	\$147	\$834
27	Education Services	\$688	\$264	\$205	\$1,157
28	Health Care and Social Assistance	\$5,028	\$1,930	\$1,494	\$8,452
29	Arts, Entertainment and Recreation	\$1,228	\$471	\$365	\$2,064
30	Accommodation and Food Services	\$5,552	\$2,132	\$1,650	\$9,333
31	Repair and Maintenance	\$2,739	\$1,052	\$814	\$4,605
32	Grant-Making, Civic, and Professional and Similar Organizations	\$915	\$351	\$272	\$1,538
33	Personal and Laundry Services and Private Households	\$3,188	\$1,224	\$947	\$5,359
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)	\$4,529	\$1,739	\$1,346	\$7,613
38	Non-Profit Education Institutions	\$192	\$74	\$57	\$322
39	Hospitals and Residential Care Facilities	\$1,494	\$574	\$444	\$2,511
40	Education	\$4,197	\$1,612	\$1,247	\$7,056
41	Other Municipal Government Services	\$706	\$271	\$210	\$1,188
42	Other Provincial and Territorial Government Services	\$866	\$332	\$257	\$1,456
43	Other Federal Government, including Defence services	\$1,133	\$435	\$337	\$1,904
44	Households	\$0	\$0	\$0	\$0
Total		\$168,905	\$64,851	\$50,195	\$283,951

HRM Infrastructure Projects Impact - Other Category (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	\$1,009	\$387	\$300	\$1,696
2	Forestry and Logging	\$1,599	\$614	\$475	\$2,687
3	Fishing, Hunting and Trapping	\$472	\$181	\$140	\$793
4	Support Activities for Agriculture and Forestry	\$248	\$95	\$74	\$417
5	Mining (Except Oil and Gas)	\$985	\$378	\$293	\$1,656
6	Oil and Gas Extraction, Support Activities for Mining and Oil and Gas Extraction	\$998	\$383	\$297	\$1,678
7	Electric Power Generation, Transmission and Distribution	\$1,569	\$602	\$466	\$2,637
8	Natural Gas Distribution, Water and Other Systems	\$224	\$86	\$67	\$377
9	Construction	\$242,517	\$93,114	\$72,072	\$407,703
10	Food Manufacturing	\$1,499	\$576	\$445	\$2,520
11	Textile and Textile Product	\$124	\$47	\$37	\$208
12	Wood Product Manufacturing	\$2,546	\$977	\$757	\$4,280
13	Paper Manufacturing	\$443	\$170	\$132	\$744
14	Fabricated Metal Product Manufacturing	\$4,722	\$1,813	\$1,403	\$7,938
15	Miscellaneous Manufacturing	\$9,519	\$3,655	\$2,829	\$16,002
16	Wholesale Trade	\$12,486	\$4,794	\$3,711	\$20,990
17	Retail Trade	\$23,747	\$9,118	\$7,057	\$39,922
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24	Professional, Scientific and Technical Services	\$17,239	\$6,619	\$5,123	\$28,981
25	Administrative and Support Services	\$9,604	\$3,687	\$2,854	\$16,145
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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)	\$4,529	\$1,739	\$1,346	\$7,613
38	Non-Profit Education Institutions	\$192	\$74	\$57	\$322
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41	Other Municipal Government Services	\$706	\$271	\$210	\$1,188
42	Other Provincial and Territorial Government Services	\$866	\$332	\$257	\$1,456
43	Other Federal Government, including Defence services	\$1,133	\$435	\$337	\$1,904
44	Households	\$0	\$0	\$0	\$0
Total		\$409,129	\$157,084	\$121,585	\$687,799



Gulf of St
Lawrence



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