Economic Impact Analysis of Iron Ore Mining Industry in Labrador 2011-31

Prepared for:

Department of Natural Resources, Government of Newfoundland and Labrador

Prepared by:

Dr. Wade Locke And Strategic Concepts, Inc.

September 24, 2012

Table of Contents

Section	Page
Executive Summary	i
1.0 Introduction	1
1.1 Study Objectives	1
1.2 Background	2
2.0 Economic Impact Results	4
2.1 The Economic Impact Model and Approach	4
2.2 Methodology	4
2.2.1 Data Sources	6
2.2.2 Reporting Conventions	6
2.3 Results	7
2.3.1 Scenarios	7
2.3.2 Production and Value of Production	9
2.3.3 Newfoundland and Labrador Economic Impacts	11
2.3.3.1 Employment	11
2.3.3.2 Income	15
2.3.3.3 GDP	17
2.3.3.4 Treasury Impacts	20
2.3.3.5 Economic Impacts Converted to \$/Kwh Equivalent	22
2.4 Concluding Observations	28
Appendices	29
Appendix A – Inter-Industry Sales by Scenario and Industry	
Appendix B – Inter-Industry Employment by Scenario and Industry	
Appendix C – Annual Summary	

Figures and Tables

Figure/Table	Page
Table ES1 – Project Scenarios	i
Table ES2 – Iron Ore Pricing FOB Sept Iles, Quebec	i
Table ES3 - Capital Cost Scenario Comparison	ii
Table ES4 – Impact Summary, All Scenarios	iii
Table 1 – Iron Ore Pricing FOB Sept Iles, Quebec	1
Table 2 – Project Scenarios	2
Figure 1 - Flowsheet for Economic Impact Analysis	5
Table 3 - Capital Cost Scenario Comparison	7
Figure 2 – Capital Comparison - Total	8
Figure 3 – Capital Comparison – Annual Average	8
Table 4 – Production Scenario Comparison Iron Ore 2011- 2031	9
Figure 5 – Production Scenario Comparison – Iron Ore 2011-2031	9
Figure 6 – Production Profile Scenario Comparison	10
Table 5 – Value of Production Comparison	10
Figure 7 - Value of Production Scenario Comparison	11
Table 6 - NL Employment Impacts	11
Figure 8 – Direct Annual Employment for Combined Capital and Operating Expenditures by	12
Scenario	
Figure 9 – Direct Annual Employment for Capital by Scenario	13
Figure 10 – Direct Annual Employment for Operations by Scenario	13
Figure 11 – Total Annual Employment for Combined Capital and Operating Expenditures by	14
Scenario	
Figure 12 – Total Annual Employment for Capital by Scenario	14
Figure 13 – Total Annual Employment for Operations by Scenario	15
Table 7 - NL Incomes	15
Figure 14 – Total Annual Income for Combined Capital and Operating Expenditures by Scenario	16
Figure 15 – Total Annual Income for Capital by Scenario	16
Figure 16 – Total Annual Income for Operations by Scenario	17
Table 8 – GDP from Income and Value of Production	18
Figure 17 – GDP - \$100/\$130 Commodity NL GDP Profile	18
Figure 18 – GDP - \$100/\$130 Commodity NL Scenario Comparison	19
Figure 19 – GDP - Commodity Sensitivity	19
Table 9 - NL Treasury Impacts	20
Figure 20 – Treasury Impacts by Scenario	21
Figure 21 – Treasury Impacts by Scenario	21
Figure 22 – Treasury Impacts by Scenario – Commodity Sensitivity	22
Table 19 - Conversion of Newfoundland and Labrador Income and Tax Benefits from Iron Ore	24
Mining into Equivalent Cents per Kwh	

Executive Summary

This report estimates the economic impacts associated with the current and potential development of the iron ore industry in Labrador under four scenarios, as outlined in Table ES-1. The projects considered in the base case are IOC, Wabush, Tata's DSO and Labrador Iron Mines, while the other scenarios consists of a combination of expansions to IOC, Alderon, LabMag and Julienne Lake with variations in production and the existence of pelletizing. The purpose of the report is to generate a series of economic simulations that illustrate the significant economic impacts of iron ore mining developments in Labrador. This includes economic impacts on employment, incomes and taxation. Each of the scenarios analyzed in this report are briefly described in the Table ES-1 below:

Table ES-1 Project Scenarios

	Base	Scenario 1	Scenario 2	Scenario 3
Average annual production	26.0 MT	41.0 MT	62.3 MT	81.1 MT

Each of the project scenarios were further analyzed from 2011-2031 utilizing the three commodity price cases:

Table ES-2
Iron Ore Pricing FOB Sept Iles, Quebec

Company	Concentrate	Pellets
Low	\$85	\$115
Base	\$100	\$130
High	\$115	\$145

The detailed results of the analysis undertaken in this study are provided in Tables ES3 and ES4.

The analysis indicates that the forecasted capital and operating expenditures under each of the scenarios analyzed will have a significant impact on the economy of Newfoundland and Labrador. The Base Case, consisting of projects currently operating or under construction will have estimated expenditures of \$40 billion over the next twenty one years including \$7.5 billion in estimated capital expenditures and \$32 billion in operating expenditures. Under Scenarios 1, 2 and 3, projected expenditures increase significantly to \$60 billion, \$84 billion and \$123 billion, respectively. Should all projects proceed as described in Scenario 3, the iron ore industry in Newfoundland and Labrador could generate an incremental increase of \$80 billion dollars in expenditures over anticipated current levels of expenditures.

Each of the projects analyzed contain assumptions on the ability of Newfoundland and Labrador to supply labour and goods and services required during construction and operations. The assumptions used may be considered conservative and range from 60%-70% for labour during construction and 25%- 45% for materials, goods and services.

Table ES3
Capital Cost Scenario Comparison (\$M)

Parameter	Base	Scenario 1	Scenario 2	Scenario 3
Capital Cost				
Capital cost (total; \$CDN)	\$7,441	\$12,408	\$20,747	\$33,523
Capital cost (avg annual; \$CDN)	\$354	\$591	\$988	\$1,596
Operating Costs				
Operating cost (total; \$CDN)	\$32,265	\$47,713	\$63,777	\$89,636
Operating cost (avg annual; 1 \$CDN)	\$1,536	\$2,272	\$3,037	\$4,268
Total Costs				
Total cost (total; \$CDN)	\$39,706	\$60,122	\$84,524	\$123,160
Total cost (avg annual; \$CDN)	\$1,891	\$2,863	\$4,025	\$5,865

The Base Case consisting of current mining projects in Labrador is already having significant impacts on employment, incomes and taxation. Using a \$100/t commodity price for concentrate and \$130/t for pellets, current mine developments and anticipated levels of production and capital expenditures in the iron ore mining industry will generate more than 157,000 person years of employment in Newfoundland and Labrador over the next twenty one years including 62,000 person years of direct employment. On an annual basis, current mining activities should grow to support 7,500 person years of employment on average including 3,000 direct person years of employment. Correspondingly, current mining operations will also generate more than \$20 billion in incomes (\$1.0 billion annual average), \$53 billion in GDP (\$2.5 billion annual average) and \$9.0 billion in Taxes (\$0.4 billion annual average).

The scenarios described in Table ES1 are based on a series of assumptions affecting the production of concentrate and pellets and capital and operating expenditures brought about through a series of expansion activities. The economic impacts resulting from expansion activities are substantial. Total employment could increase from 157,000 person years of employment in the Base Case to 237,000 (11,000 PYs on average) person years of employment under Scenario 1, 333,000 (16,000 PYs on average) person years of employment under Scenario 2 and 515,000 (24,500 PYs on average) person years of employment under Scenario 3. Investments in Scenario 3 could generate an incremental increase of approximately 358,000 person years of employment. Similarly, total Newfoundland and Labrador incomes could rise from \$20 billion under the Base Case to \$30.0 billion under Scenario 1, to \$40 billion under Scenario 2 and \$58.0 billion under Scenario 3 for an incremental increase of \$38 billion over the next twenty years.

Based on the range of iron ore prices described in Table ES2, the Base Case iron ore industry in Labrador is expected to generate an estimated \$9.1 +/-1.3 billion (\$0.4 +/- \$0.1 billion annually average) in total taxes paid to government over the next twenty years. Operating under Scenario 1 treasury impacts could increase to \$13.7 +/- \$2.4 billion (\$0.7 +/- \$0.2 billion annual average), \$24.6 +/-\$5.0 billion (\$1.2 +/- \$0.3 billion annual average) under Scenario 2 and \$25.9 +/-\$5.4 billion (\$1.2 +/- \$0.5 billion annual average) under Scenario 3.

Table ES-4 Impact Summary, All Scenarios Period Totals and Annual Averages (2011-31)

Total 2011-2031						Annual Average 2011-2031			
Scenario	Base	Scenario 1	Scenario 2	Scenario 3	Base	Base Scenario 1 Scenario 2 Scenario 3			
Employment (000's PY)									
Direct Employment	62.0	92.1	118.8	173.1	3.0	4.4	5.7	8.2	
Indirect Employment	50.4	78.3	124.8	212.1	2.4	3.7	5.9	10.1	
Induced Employment	45.3	67.4	89.1	130.0	2.2	3.2	4.2	6.2	
Total Employment	157.7	237.8	332.7	515.2	7.5	11.3	15.8	24.5	
Total Income (\$ Billion)	\$20.6	\$30.6	\$40.2	\$58.5	\$1.0	\$1.5	\$1.9	\$2.8	
GDP (\$ Billion)									
GDP from Income	\$20.6	\$30.6	\$40.2	\$58.5	\$1.0	\$1.5	\$1.9	\$2.8	
GDP from Production									
\$85/\$115	\$24.5	\$35.8	\$63.2	\$85.8	\$1.2	\$1.7	\$3.0	\$4.1	
\$100/\$130	\$32.5	\$48.4	\$82.6	\$111.1	\$1.5	\$2.3	\$3.9	\$5.3	
\$115/\$145	\$40.4	\$61.1	\$101.9	\$136.4	\$1.9	\$2.9	\$4.9	\$6.5	
Total GDP									
\$85/\$115	\$45.1	\$66.3	\$103.4	\$144.3	\$2.1	\$3.2	\$4.9	\$6.9	
\$100/\$130	\$53.0	\$79.0	\$122.8	\$169.6	\$2.5	\$3.8	\$5.8	\$8.1	
\$115/\$145	\$60.9	\$91.6	\$142.2	\$194.9	\$2.9	\$4.4	\$6.8	\$9.3	
Taxes (\$ Billion)									
Direct Taxes									
\$85/\$115	\$5.9	\$8.3	\$15.6	\$14.5	\$0.3	\$0.4	\$0.7	\$0.7	
\$100/\$130	\$7.1	\$10.7	\$20.5	\$19.7	\$0.3	\$0.5	\$1.0	\$0.9	
\$115/\$145	\$8.4	\$13.1	\$25.5	\$25.2	\$0.4	\$0.6	\$1.2	\$1.2	
Indirect Taxes	\$0.4	\$0.6	\$0.9	\$1.6	\$0.0	\$0.0	\$0.0	\$0.1	
Induced Taxes	\$1.6	\$2.4	\$3.1	\$4.5	\$0.1	\$0.1	\$0.1	\$0.2	
Total Taxes									
\$85/\$115	\$7.9	\$11.3	\$19.7	\$20.6	\$0.4	\$0.5	\$0.9	\$1.0	
\$100/\$130	\$9.1	\$13.7	\$24.6	\$25.9	\$0.4	\$0.7	\$1.2	\$1.2	
\$115/\$145	\$10.4	\$16.1	\$29.6	\$31.3	\$0.5	\$0.8	\$1.4	\$1.5	
Equivalent in cents per Kwh									
Income Tax Benefits \$85/\$115	46.6	48.3	52.6	49.7					
Income Tax Benefits \$100/\$130	49.2	51.6	57.8	53.2					
Income Tax Benefits \$115/\$145	51.9	54.8	63.0	56.9					

As impressive as these estimates are, it is also worthy to highlight that iron ore industry is already one of the largest sources of employment and revenues for business in Newfoundland and Labrador. In particular, its operations represent one of the few significant sources of employment and earnings outside of the Avalon Peninsula. The development, construction and ultimate operation of the iron ore projects described in this analysis will require substantive investments in supporting human resources and capital infrastructure. Appendix A and B contain detailed industry estimates of employment and sales for Newfoundland and Labrador workers and businesses.

1.0 Introduction

This report has been prepared by Dr. Wade Locke and Strategic Concepts, Inc. (SCI) and on behalf of the Department of Natural Resources, Government of Newfoundland and Labrador. The purpose of the report is to generate a series of economic simulations that illustrate the significant economic impacts of iron ore mining developments in Labrador. This includes the economic impacts on employment, incomes and taxation and thee equivalent value in terms of cents per Kwh. The report also analyzes the cumulative and incremental increases in key economic indicators that could potentially be generated in the province based on new projects coming on line, various expansion scenarios and alternative commodity prices.

The cash flow projections, used as a base for the economic impact model, were developed by Dr. Wade Locke and SCI for four distinct capital investment profiles/operating expenditure configurations. The projects included in these scenarios are described in Section 1.2.5.

The study estimates the impacts on Newfoundland and Labrador economies for the period from 2011 to 2031. A price sensitivity analysis was completed to illustrate total and incremental impacts commodity prices have on taxation and GDP. The range of prices used in the analysis is contained in Table 1 below

Table 1 Iron Ore Pricing FOB Sept Iles, Quebec

Company	Concentrate	Pellets
Low	\$85	\$115
Base	\$100	\$130
High	\$115	\$145

Estimates of the economic impacts from 2011 mining operations were used as a reference year and formed the basis for developing the parameters used to estimate the economic impacts from iron ore development on a go-forward basis.

1.1 Study Objectives

The objective of the study is to quantify the economic impacts associated with iron ore activities in Labrador on current and expanded production levels over the next twenty years.

The economic impacts associated with current and expanded mining activities were analyzed from two perspectives:

- 1. The economic effects, which drew from the detailed cash flow projections by area of operation and by type of expenditure (e.g., labour, major consumables, etc.) to estimate impacts on employment, income, and GDP on the broader economy by measuring their direct, indirect and induced impacts; and
- 2. The provincial treasury, which measured direct, indirect and induced taxation effects felt by the Government of Newfoundland and Labrador.

1.2 Background

This section of the report sets the context for the results of the economic impact analysis. The scenarios analyzed are described in Table 2 below

Table 2 Project Scenarios

	Base	Scenario 1	Scenario 2	Scenario 3
Average annual production	26.0 MT	41.0 MT	62.3 MT	81.1 MT

Iron Ore Company of Canada

The Iron Ore Company of Canada (IOCC) started producing iron ore from its Carol Lake (Labrador West) project in 1962. Canada's largest iron ore pellet producer operates several open pits, a concentrator, a pellet plant at Carol Lake, port facilities in Sept-Iles, Québec, and a 420-kilometre rail line that links the mines and the port.

IOCC Concentrate Expansion Program

In 2008, IOCC announced a 3-phase Concentrate Expansion Program (CEP). Phase I and II of CEP are largely focused on "de-bottlenecking" the current IOCC production platform. Phase I of the expansion is currently undergoing operational testing. Phase II construction will continue through 2012 with commissioning expected by Q1, 2013. Phase III is likely to enter environmental assessment in 2012, and will involve construction of a new 6 mta concentrator.

IOC Labrador West Strategic Development

The Iron Ore Company of Canada is studying the feasibility of expanding concentrate production to 50 million tonnes or more annually. Plans are at an early stage, hence detailed timelines and capital cost estimates are not yet available. Construction and operational employment would be significant if it proceeds. The project would likely proceed in phases, with first production from early phase(s) if sanctioned expected by 2017. Each phase, based on limitations of concentrator throughput is likely to add 8 mta to output,

Wabush Mines

Wabush Mines consists of an open pit mine producing iron ore for a concentrating plant at Wabush, and a pellet plant and shipping facilities in Point Noire, Quebec. Wabush Mines is 100 % owned and operated by Cliffs Natural Resources Inc.

Wabush Mines produced about 3.5 million tonnes of iron concentrate in 2011. Employment at the mine site is approximately 500.

Labrador Iron Mines Ltd.

Labrador Iron Mines Ltd. (LIM) is the first new iron ore producer in the province since 1965. LIM mines seasonally, shutting down from November to May, and is ramping up to 2 million tonnes/ year production. LIM are mining ores amenable to direct shipping with minimal processing. Ore is shipped from the Menihek area to Sept Isles via rail.

Alderon Iron Ore Corp - Kami Project

Alderon Iron Ore Corporation (Alderon) is developing the Kamistiatusset (Kami) iron ore project in Labrador West. The project is located 5 km southwest of Wabush Mines.

A 2011 preliminary economic assessment suggested that the project can economically support an operation that would produce 8 million tonnes of iron concentrate per year grading 65.5% iron and the mine would have a life of 15 years. The assessment was based on one of three separate iron ore deposits on the Kami property. Further resource statements and final feasibility studies will include one or both of the remaining two deposits and will contemplate expansion to 16 mta.

Alderon registered the project with provincial and federal environmental regulators in October, 2011 and the company is currently preparing an environmental impact statement. The company expects to complete a definitive feasibility study for the project by Q3, 2012. Mining is planned to start in Q3, 2015. Alderson announced major investment from Chinese steel maker Hebei in April 2012, suggesting that the project is well on track to become a mine.

Tata Steel Canada - Labmag Project

This project is undergoing feasibility studies in conjunction with the adjacent Kemag project in Quebec. This is a major taconite iron ore project in the Menihek district. Early stage plans envision a mine producing 22 million tonnes annually. Pelletizing will be required and will require additional power if conducted in Labrador. The feasibility study is to be completed in Q4, 2012.

DSO New Millennium Capital (TATA Steel)

In September 2010 New Millennium and Tata Steel announced a Joint Venture ("JV") agreement, whereby Tata Steel would arrange funding for up to CDN \$300 million to cover capital costs associated with the DSO iron ore project in Labrador to earn its 80% share of the JV and commit to take 100% of the DSO project's iron ore products of specified quality, at world market prices, for the life of the mining operation. It is expected that the JV will produce 4 million dry tonnes per year of iron ore products commencing in 2012.

Julienne Lake

This is a crown owned iron ore deposit, approximately 15 kms from Labrador City and Wabush. Government has conducted geologic and economic analysis. Preliminary indications are that the deposit could support a 16 million tonne concentrate producing operation.

2.0 Economic Impact Results

This section of the report provides a detailed overview of the findings, including the methodology employed and the data sources used.

2.1 The Economic Impact Model and Approach

The model used to measure economic impacts, developed specifically for Newfoundland and Labrador-based resource projects, has been applied to the majority of large mining and oil and gas projects proposed or occurring within the province. The economic model is based on the principal of tracking expenditures through the economy and applying coefficients to determine direct, indirect and induced impacts on employment, incomes, gross domestic product, taxation and equalization. The primary sources of information used in the economic impact analysis were projected capital and operating expenditure based on information provided by the Department of Natural Resources.

2.2 Methodology

The economic model used in this analysis has been purposely built to analyze the mining activities from a number of perspectives:

- Government of Newfoundland and Labrador
- Newfoundland and Labrador labour and businesses
- Newfoundland and Labrador economy

The working basis underlying this model is that the economic impacts that flow throughout the provincial and national economies emanate from the project expenditures associated with mining operations. In addition, the sale of final iron ore mining outputs also generates economic impacts. Furthermore, all of these impacts are magnified as incomes earned by labour and businesses associated with the mining activities are re-spent throughout the economy.

Figure 1 on the following page illustrates graphically how the economic impact model takes mining company's expenditures and flows them through the economy.

Economic Impact Models Terms and Definitions

Direct impacts stem from the direct hire of persons and include employment and labour income impacts.

Indirect impacts result from the supply of goods and services and are measured on employment, labour income and profits.

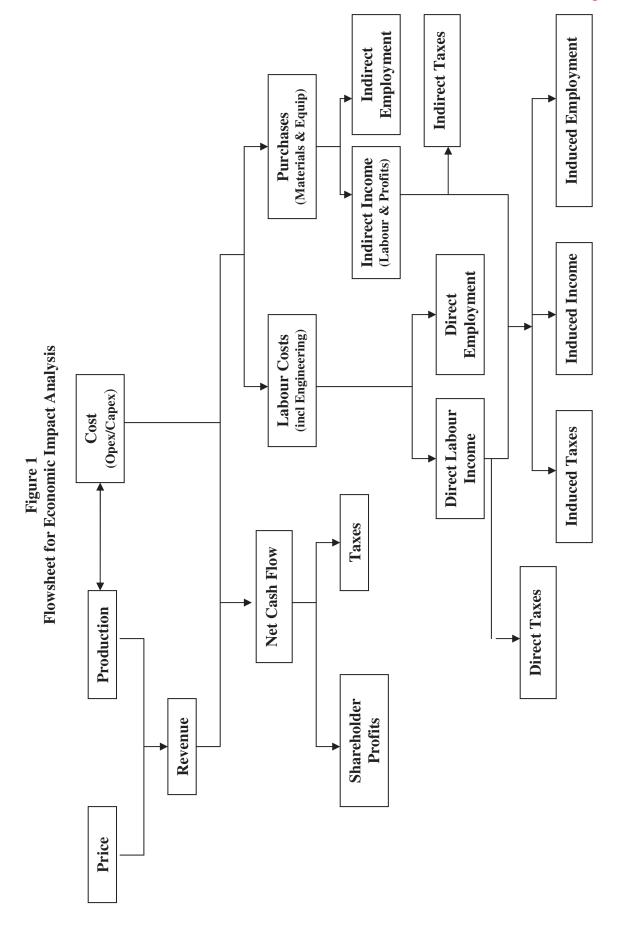
Induced impacts refer to impacts from the expenditure of money in the economy by those employed directly and indirectly on the project. They are calculated using *income multipliers* and are based on the total direct and indirect impacts

Income multipliers measure the impact of an initial expenditure into an economy on incomes in the economy.

The size of the income multiplier is determined by three factors:

- 1) How much of the income that people receive actually gets spent.
- 2) How much of the income is allocated to government through taxation
- 3) How much of the income spent in the community is on imported goods and services

1-Nov-12



2.2.1 Data Sources

The input data utilized in this model incorporated estimated capital and operating expenditures over a 21-year period of mining in the Labrador Trough under four scenarios.

Publicly available corporate brochures, web sites and filing information were utilized in support of expenditure profiles to obtain a better understanding of each company's operations and production profiles. The economic impact parameters used in this analysis were gathered from a number of sources, including Statistics Canada, other similar economic impact assessments on projects in Newfoundland and Labrador, and the experience and knowledge of the consultant team.

2.2.2 Reporting Conventions

Throughout this report, the following conventions are used:

- All dollar figures are in Canadian dollars unless otherwise stated.
- All employment figures are reported as person-years of employment, which corresponds to 2,000 person-hours on an annual basis
- The analysis period for the Base Case and Scenarios 1, 2 and 3 covers 21 years, extending from 2011 to 2031. Throughout the report, totals are frequently presented as cumulative totals, followed by annual averages.

2.3 Results

2.3.1 Scenarios

The four scenarios considered in this analysis were described in Section 1.2.5. Table 3 below provides a comparison of the four scenarios in terms of capital and operating costs. The Base Case reflects an extension of current known or anticipated operating and capital expenditures. Projects currently operating or under construction are expected to incur capital and operating expenditures of approximately \$40 billion over the next 21 years for an annual average expenditure of \$1.9 billion. Figure 2 shows the incremental increase in operating and capital expenditures between the four scenarios. As an illustration, Scenario 3 involves \$123 billion in capital and operating expenditures, \$85 billion higher than the base case. Scenario 3 also includes \$33.5 billion in incremental capital expenditures on new and expanded mining operations. A decomposition of capital and operating expenditures was used to generate direct, indirect and induced economic impacts on the treasury and the economy.

Table 3
Capital Cost Scenario Comparison

Parameter	Base	Scenario 1	Scenario 2	Scenario 3
Capital Cost				
Capital cost (total; \$CDN)	\$7,441	\$12,408	\$20,747	\$33,523
Capital cost (avg annual; \$CDN)	\$354	\$591	\$988	\$1,596
Operating Costs				
Operating cost (total; \$CDN)	\$32,265	\$47,713	\$63,777	\$89,636
Operating cost (avg annual; \$CDN)	\$1,536	\$2,272	\$3,037	\$4,268
Total Costs				
Total cost (total; \$CDN)	\$39,706	\$60,122	\$84,524	\$123,160
Total cost (avg annual; \$CDN)	\$1,891	\$2,863	\$4,025	\$5,865

Figure 2
Capital Comparison - Total (CDN \$M)

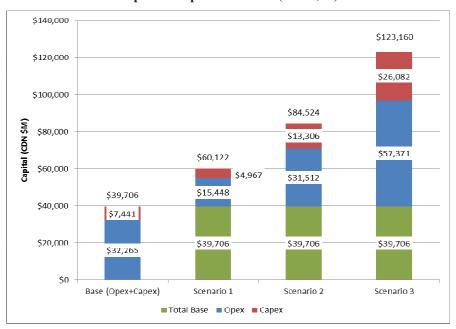
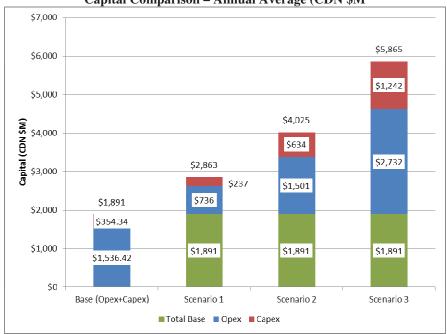


Figure 3
Capital Comparison – Annual Average (CDN \$M



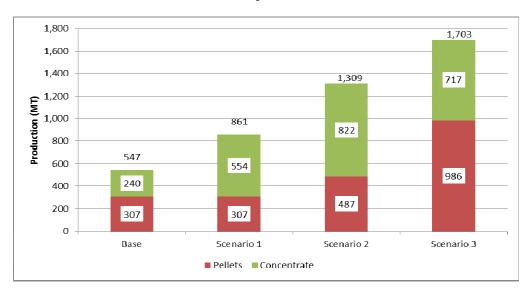
2.3.2 Production and Value of Production

A price sensitivity analysis was completed to determine the value of iron ore production according to the four scenarios. Tables 4 and 5 and Figures 5 to 7 below illustrate the cumulative and incremental increases in the value of production between the four scenarios. Expanding production between the Base Case and Scenario 3 should see a 200% increase in the production of iron ore in Labrador as well as the corresponding increase in key economic indicators. The level of iron ore production is anticipated to reach 547 mt in the Base Case over the twenty one years analyzed, the level of production increases to 861mt, 1,309 mt and 1,703 mt respective between Scenarios 1, 2 and 3, respectively.

Table 4
Production Scenario Comparison – Iron Ore 2011-2031

Parameter	Base	Scenario 1	Scenario 2	Scenario 3
Iron Ore Saleable Production (2011-2031)				
Pellets	307	307	487	986
Concentrate	240	554	822	717
Total Saleable Production	547	861	1,309	1,703

Figure 5 Production Scenario Comparison – Iron Ore 2011-2031



120

100

80

40

20

Production (MT)

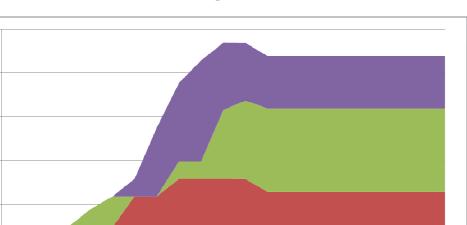


Figure 6
Production Profile Scenario Comparison – Iron Ore 2011-2031

The value of concentrate and pellet production in the Base Case at \$100/t concentrate and \$130/t for pellets is estimated at approximately \$65.0 billion. Depending on price, the value of production could be +/- \$0.8 billion over the twenty one year period analyzed. The value of production increases from \$96.0 billion +/- \$12 billion under Scenario 1 to \$146.0 billion +/- \$16 billion under Scenario 2 and to \$200 billion +/- \$25.0 billion under Scenario 3. The difference in the value of production, \$55.0 billion between Scenarios 2 and 3 is attributable in part to increased pellet production in Labrador.

■ Scenario1 ■ Scenario2 ■ Scenario3

Table 5 Value of Production Comparison

	Total 2011-2031						
Scenario	Base	Scenario 1	Scenario 2	Scenario 3			
\$85/\$115	\$56.8	\$83.5	\$127.0	\$175.5			
\$100/\$130	\$64.7	\$96.1	\$146.3	\$200.7			
\$115/\$145	\$72.7	\$108.8	\$165.7	\$226.0			

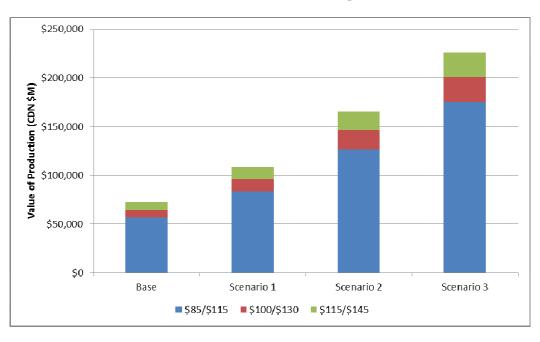


Figure 7
Value of Production Scenario Comparison

2.3.3 Newfoundland and Labrador Economic Impacts

2.3.3.1 Employment Impacts

One of the key economic indicators to be impacted through increased capital and operating expenditures in the iron ore industry is employment. Table 6 and Figures 8-13 illustrate the total and the annual average employment expected to be generated under each of the production scenarios.

Table 6 NL Employment Impacts (person years)

	Total 2011-2031				Annual	Average 2011-2	2031	
Scenario	Base	Base Scenario 1 Scenario 2 Scenario 3			Base	Scenario 1	Scenario 2	Scenario 3
Employment (000's PY)								
Direct Employment	62.0	92.1	118.8	173.1	3.0	4.4	5.7	8.2
Indirect Employment	50.4	78.3	124.8	212.1	2.4	3.7	5.9	10.1
Induced Employment	45.3	67.4	89.1	130.0	2.2	3.2	4.2	6.2
Total Employment	157.7	237.8	332.7	515.2	7.5	11.3	15.8	24.5

Current mine developments and anticipated levels of production and capital expenditures in the iron ore mining industry will generate more than 157,000 person years of employment in Newfoundland and Labrador over the next twenty one years including 62,000 person years of direct employment. On an annual basis, mining activities should grow to support 7,500 person years of employment on average, including 3,000 direct years of employment.

The employment impacts resulting from expansion activities are substantial. Total employment could increase from 157,000 person years of employment in the base case to 238,000 (11,000

PYs on average) person years of employment under Scenario 1. This increases to 333,000 (16,000 PYs on average) person years under Scenario 2 and 515,000 (24,500 PYs on average) person years of employment under Scenario 3. Investments in Scenario 3 could generate an incremental increase of approximately 358,000 person years of employment over anticipated current levels of employment.

Under Scenario 3, labour requirements during construction are expected to peak at 8,000 direct person years of employment in 2016 – 2017, see figure 9. Total direct employment is also expected to peak during this time frame at approximately 15,000 person years of employment. Scenario 3 would support an annual Newfoundland Labrador work force of approximately 10,000 workers over the twenty one year period analyzed. In comparison, the base case would support approximately 3,500 workers in Newfoundland and Labrador annually.

Figure 8
Direct Annual Employment for Combined Capital and Operating Expenditures by Scenario

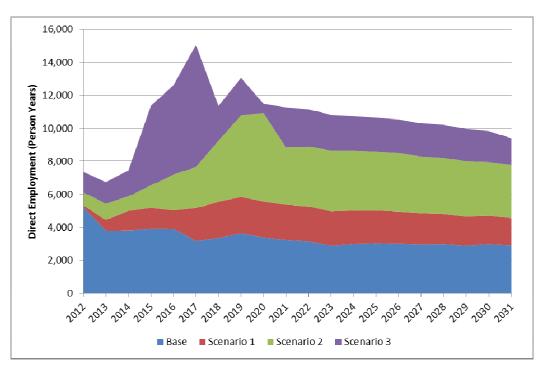


Figure 9
Direct Annual Employment for Capital by Scenario

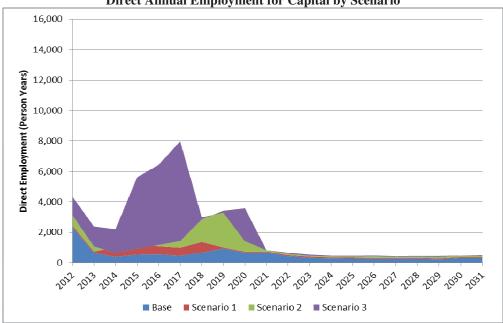


Figure 10
Direct Annual Employment for Operations by Scenario

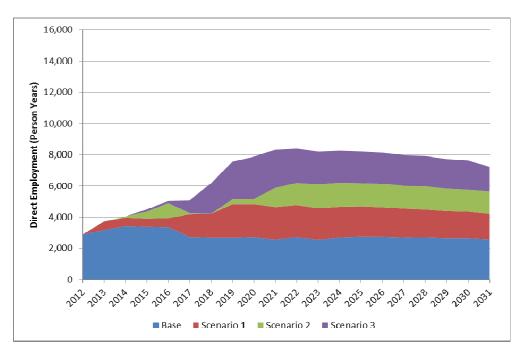


Figure 11
Total Annual Employment for Combined Capital and Operating Expenditures by Scenario

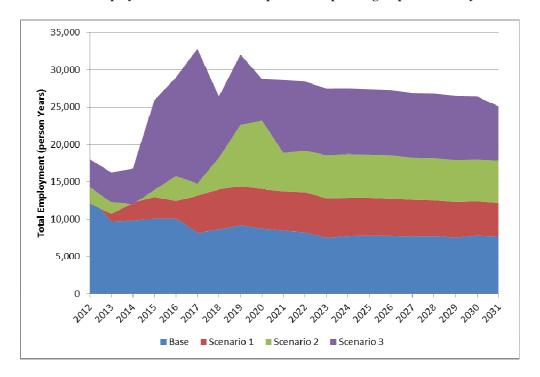
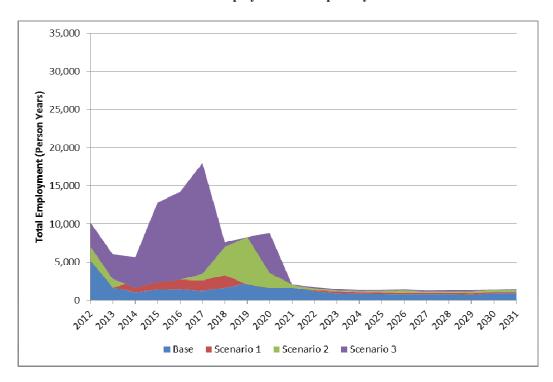


Figure 12
Total Annual Employment for Capital by Scenario



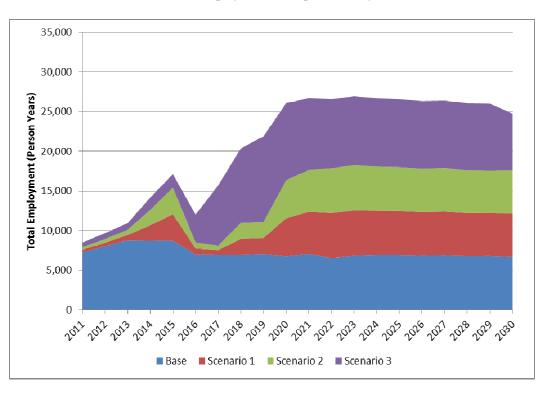


Figure 13
Total Annual Employment for Operations by Scenario

2.3.3.2 Income

In addition to the employment generated within Newfoundland and Labrador, iron ore mining operations and capital expenditures will provide considerable income to Newfoundland and Labrador workers and businesses. Table 7 below and Figures 14 to 16 summarize the income impacts for Newfoundland and Labrador labour and business for each of the scenarios analyzed.

Total 2011-2031 Annual Average 2011-2031 Scenario Scenario Scenario Scenario Scenario Scenario Scenario Base Base Total Income (\$ Billion) Direct Income \$11.6 \$17.1 \$20.7 \$27.8 \$0.6 \$0.8 \$1.0 \$1.3 \$4.2 \$6.4 \$10.3 \$17.2 \$0.2 \$0.3 \$0.5 \$0.8 Indirect Income \$4.7 \$7.1 \$0.4 \$9.3 \$13.5 \$0.2 \$0.3 \$0.6 Induced Income **Total Income (\$ Billion)** \$20.6 \$30.6 \$1.5 \$1.9 \$40.2 \$2.8

Table 7 NL Income (M\$ CDN)

Under the Base Case Scenario, incomes in Newfoundland and Labrador will be approximately \$21.0 billion (\$1.0 billion annual average.) over the next twenty one years. This figure includes approximately \$12.0 billion (\$0.6 billion annual average.) in direct incomes. Under Scenarios 1, 2 and 3, total incomes generated by Newfoundland workers and businesses would be approximately \$30.0 billion (\$1.5 billion annual average), \$40.0 billion (\$1.9 billion annual average) and \$58.0 billion (\$2.8 billion annual average) respectively.

Figure 14
Total Annual Income for Combined Capital and Operating Expenditures by Scenario

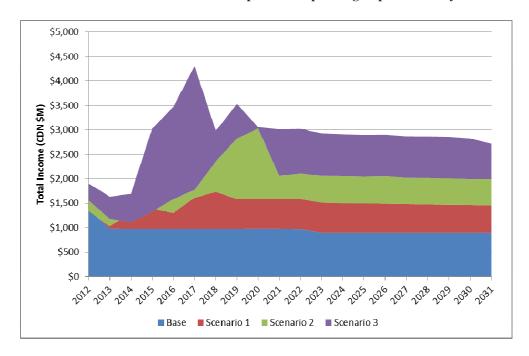
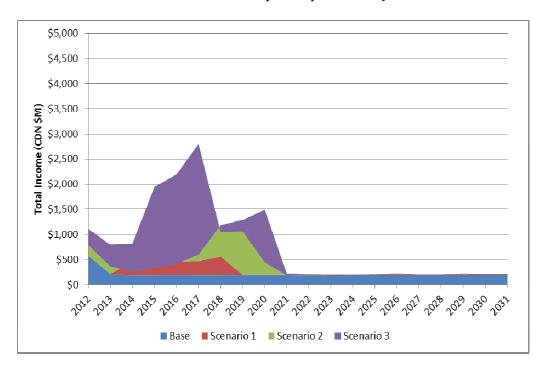


Figure 15
Total Annual Income for Capital Expenditures by Scenario



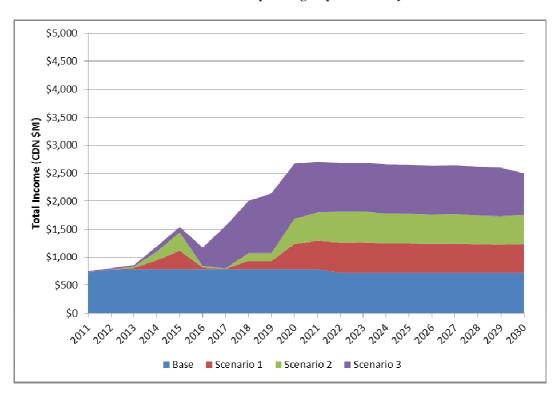


Figure 16
Total Annual Income for Operating Expenditures by Scenario

2.3.3.3 GDP

The GDP has two components. The first is the net value of production after costs have been deducted. The second component is the labour and business income that is generated in the province from those expenditures, which is then added back to the net value of production to generate the total GDP impact. Table 8 below contains estimates for Provincial GDP. Under the Base Case Scenario using \$100/t for concentrate and \$130/t for pellets, total GDP is estimated at \$53.0 billion +/- \$0.8 billion between the price sensitivities. Total GDP consists of \$20.6 billion in incomes and \$32.5 billion in the net value of production. On an annual basis the Base Case generates \$2.5 billion +/- \$0.4 billion in Total GDP. The Base Case figures increase significant between the Scenarios. Scenarios 1, 2 and 3, generate \$79.0 billion +/- \$13.0 billion, \$123.0 billion +/- \$20.0 billion and \$170.0 billion +/- \$25.0 billion respectively. On an annual average basis Total GDP increase between Scenarios 1, 2, and 3 from \$3.8 billion +/- \$0.6 billion, \$5.6 billion +/- \$1.0 billion and \$8.1 billion +/- \$1.2 billion respectively.

Table 8
GDP From Incomes and the Value of Production

		Total	2011-2031			Annual Av	erage 2011-2	031
Scenario	Base	Scenario 1	Scenario 2	Scenario 3	Base	Scenario 1	Scenario 2	Scenario 3
GDP (\$ Billion)								
GDP from Income	\$20.6	\$30.6	\$40.2	\$58.5	\$1.0	\$1.5	\$1.9	\$2.8
GDP from Production								
\$85/\$115	\$24.5	\$35.8	\$63.2	\$85.8	\$1.2	\$1.7	\$3.0	\$4.1
\$100/\$130	\$32.5	\$48.4	\$82.6	\$111.1	\$1.5	\$2.3	\$3.9	\$5.3
\$115/\$145	\$40.4	\$61.1	\$101.9	\$136.4	\$1.9	\$2.9	\$4.9	\$6.5
Total GDP								
\$85/\$115	\$45.1	\$66.3	\$103.4	\$144.3	\$2.1	\$3.2	\$4.9	\$6.9
\$100/\$130	\$53.0	\$79.0	\$122.8	\$169.6	\$2.5	\$3.8	\$5.8	\$8.1
\$115/\$145	\$60.9	\$91.6	\$142.2	\$194.9	\$2.9	\$4.4	\$6.8	\$9.3

The annual income and GDP impacts for Newfoundland and Labrador are illustrated in Figures 17-19 below.

Figure 17 Gross Domestic Product – \$100/\$130 Commodity Newfoundland and Labrador GDP Profile (\$M CDN)

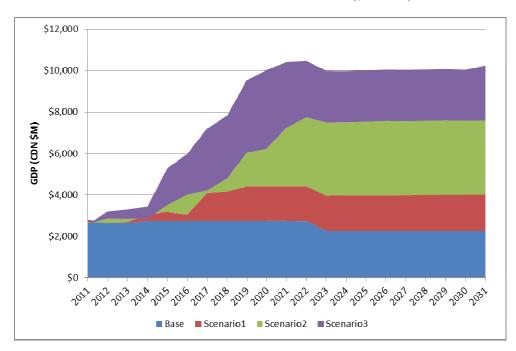


Figure 18 Gross Domestic Product – \$100/\$130 Commodity Scenario Comparison Newfoundland and Labrador (\$M CDN)

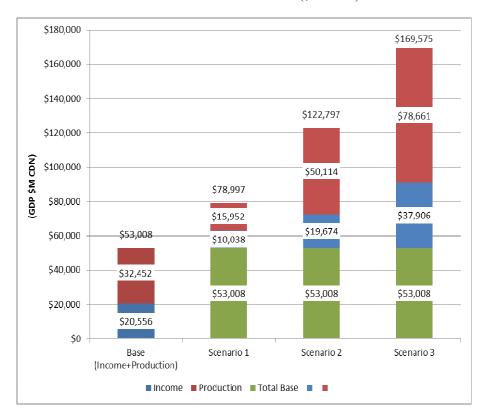
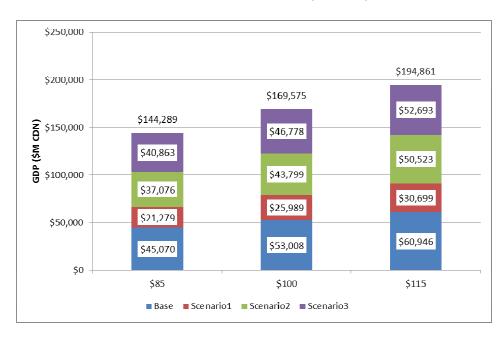


Figure 19 Gross Domestic Product – Commodity Sensitivity Newfoundland and Labrador (\$M CDN)



2.3.3.4 Treasury Impacts

The Newfoundland and Labrador treasury also benefits considerably from the iron ore industry through direct taxes paid by the mining companies and through taxes paid on the incomes earned by labour and business. Table 9 and Figures 20 and 22 illustrate the direct, indirect and induced taxes by Scenario and price sensitivity. Under the Base Case and assuming prices of \$100/t for concentrate and \$130/t for pellets, provincial government revenues are expected to be \$9.1 billion +/- \$1.3 billion over the twenty one year period. On an annual basis, the Base Case is expected to generate \$0.7 billion +/- \$0.2 billion depending on price. Provincial revenues increase substantially between the Base Case and Scenarios 1, 2 and 3, reaching \$25.9 billion +/- \$5.0 billion under Scenario 3. The increase between Scenarios 2 and 3 is marginal despite the increase in the value of production associated with moving from increased concentrate to increased pellet production. This is the result of higher capital costs and the resulting write offs against taxation. While incremental increases in employment, incomes and the value of production between the scenarios is substantial, government revenues only increase \$1.3 billion +/- \$0.3 billion between Scenarios 2 and 3.

Table 9
NL Treasury Impacts (M\$ Cdn)

		Total	2011-2031			Annual Av	erage 2011-2	031
Scenario	Base	Scenario 1	Scenario 2	Scenario 3	Base	Scenario 1	Scenario 2	Scenario 3
Taxes (\$ Billion)								
Direct Taxes								
\$85/\$115	\$5.9	\$8.3	\$15.6	\$14.5	\$0.3	\$0.4	\$0.7	\$0.7
\$100/\$130	\$7.1	\$10.7	\$20.5	\$19.7	\$0.3	\$0.5	\$1.0	\$0.9
\$115/\$145	\$8.4	\$13.1	\$25.5	\$25.2	\$0.4	\$0.6	\$1.2	\$1.2
Indirect Taxes	\$0.4	\$0.6	\$0.9	\$1.6	\$0.0	\$0.0	\$0.0	\$0.1
Induced Taxes	\$1.6	\$2.4	\$3.1	\$4.5	\$0.1	\$0.1	\$0.1	\$0.2
Total Taxes								
\$85/\$115	\$7.9	\$11.3	\$19.7	\$20.6	\$0.4	\$0.5	\$0.9	\$1.0
\$100/\$130	\$9.1	\$13.7	\$24.6	\$25.9	\$0.4	\$0.7	\$1.2	\$1.2
\$115/\$145	\$10.4	\$16.1	\$29.6	\$31.3	\$0.5	\$0.8	\$1.4	\$1.5

Figure 20 Direct Treasury Impacts by Scenario Newfoundland and Labrador (\$M CDN)

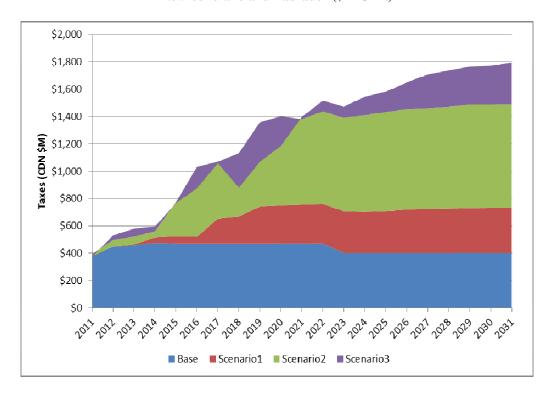


Figure 21
Total Treasury Impacts by Scenario
Newfoundland and Labrador (\$M CDN)

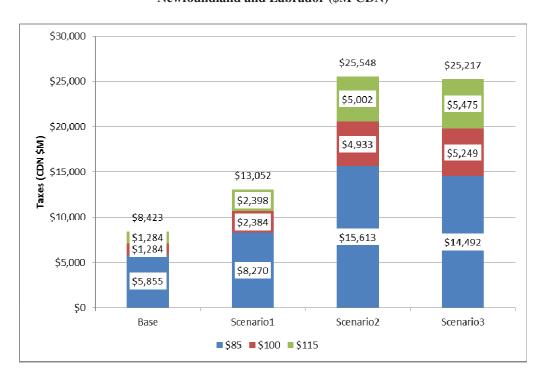


Figure 22
Treasury Impacts by Scenario - Commodity Sensitivity
Newfoundland and Labrador
(\$M CDN)



2.3.3.5 Economic Impact Converted to \$/Kwh Equivalent

An alternative way of presenting the economic benefits to Newfoundland and Labrador from iron ore development in Labrador is to convert the income and tax benefits for the province into an equivalent value in terms of electricity prices. This will facilitate a comparison of the total benefits received from the construction and operations of the iron ore projects with the alternative of simply exporting the power at some net back price. The numbers presented below do not include a purchase price to the iron ore developers for the use of electricity. Thiis would have to be added to the equivalent price calculated for the Newfoundland and Labrador income and tax benefits.

In addition to this revenue generated from the purchase of power, the construction and operation of the smelter in Labrador will yield additional tax revenues to the provincial government and an increase in income benefits to Newfoundland and Labrador businesses and labour who supply goods and services to the project. The additional benefits considered in this analysis were the direct labour income benefits, which excludes associated taxes paid to the provincial and federal governments; indirect income benefits, which includes incomes earned by businesses and labour that supply goods and services to the project but excludes any associated taxes collected by the provincial and federal governments; induced income benefits, which includes incomes earned by

service sector businesses and labour but excludes any associated taxes paid to the provincial and federal governments; direct corporation income taxes and mining taxes paid by the mining proponents to the Government of Newfoundland and Labrador; other direct taxes paid to the provincial government such as personal income taxes collected from workers; indirect taxes collected by the provincial government, which includes corporation income taxes and personal income taxes; and induced taxes collected by the provincial government, include HST, personal income taxes and corporation income taxes collected in the service sector. These incremental impacts would be lost to the provincial economy if the power were not available for iron ore development in Labrador.

To compare power purchase revenue benefits to these economy-wide impacts, it is necessary to calculate the equivalent of a levelized unit energy cost. Specifically, the equivalent power price is determined by solving for "P" in the following equation that equates net present value of income and tax benefits received by Newfoundland and Labrador to the equivalent net present value of additional revenue that would have to be received over and any negotiated power purchase price.

$$\sum_{t=1}^{N} \frac{P * e_{t}}{(1+r)^{t}} = \sum_{t=1}^{N} \frac{ITB_{t}}{(1+r)^{t}} \cdots Eqn.(1)$$

where $P \equiv$ the real price of power that is equivalent to the income and tax benefits; $e_t \equiv$ the annual amount of power consumed in year t; $r \equiv$ the real discount rate (assumed to be 8% real); $IBT_t \equiv$ direct, indirect and induced income benefits net of taxes and all corresponding taxes received by Newfoundland and Labrador

Equation (1) can be rearranged to give:

$$P = \sum_{t=1}^{N} \frac{IBT_{t}}{(1+r)^{t}} / \sum_{t=1}^{N} \frac{e_{t}}{(1+r)^{t}} \cdots Eqn.(2)$$

From equation (2), the equivalent power price of the income and tax benefits can be derived by dividing the net present value of the income and tax benefits by the net present value of the power consumption. Table 10 indicates that the additional benefit derived by Newfoundland and Labrador depends on the price and scenario chosen. This range from 47 cents per Kwh for the base case scenario and \$85 price per tonne for concentrate to 63 cent per kwh for Scenario 2 under the assume price of \$115 price per tonne for concentrate. While significant parts of these benefits accrue to local workers and businesses, a relative big impact is felt by the provincial treasury through enhanced tax revenue. Specifically, independent of the price charged by NALCOR to the mining companies, the provincial treasury stands to receive additional utax revenues between 17 cents per Kwh for the base case with a price of \$85 per tonne of concentrate to 32 cents per Kwh for scenario 2 and \$115 per tonne of concentrate.

Table 10: Conversion of Newfoundland and Labrador Income and Tax benefits from Iron Mining into the Equivalent Cents per Kwh

										۱۱;	۷H	-P I	ΞX	thi	bı	t H	- ا	UU	00	ρg									H	Pa	ıg	9 ∤	3C
	Annual Average Equivalents Cents per Kwh	28.4	6.3	3.1	3.1	0.8	3.5	16.7		45.1		Annual Average Equivalents Cents per Kwh	28.4	8.3	3.8	3.1	0.8	3.5	19.5		47.9		Annual Average Equivalents Cents per Kwh	28.4	10.2	4.7	3.1	0.8	3.5	22.3		50.6	
	Annual Average	\$632.00	\$141.00	\$68.00	\$69.00	\$18.00	\$77.00	\$373.00	2,229.0	\$1,005		Annual Average	632.0	186.0	85.0	\$69.00	\$18.00	\$77.00	\$435.00	2,229.0	\$1,067		Annual Average	632.0	228.0	104.0	\$69.00	\$18.00	\$77.00	\$496.00	2,229.0	\$1,128	
Base Case - \$85/\$115	Discounted @ 8% Equivalents Cents per Kwh	29.7	6.4	3.2	2.9	0.8	3.6	16.9		46.6	Base Case - \$100/\$130	Discounted @ 8% Equivalents Cents per Kwh	29.7	8.4	3.8	2.9	0.8	3.6	19.5		49.2	Base Case - \$115/\$145	Discounted @ 8% Equivalents Cents per Kwh	29.7	10.2	4.6	2.9	0.8	3.6	22.2		51.9	Scenario 1 - \$85/\$115
Ba	PV @ 8%	\$6,754	\$1,450	\$731	\$660	\$190	\$807	\$3,838	22,731	\$10,592	Ba	PV @ 8%	\$6,754	\$1,912	\$868	\$660	\$190	\$807	\$4,437	22,731	\$11,191	Ba	PV @ 8%	\$6,754	\$2,325	\$1,055	\$660	\$190	\$807	\$5,037	22,731	\$11,791	Sci
	2011-2-31 Total	\$13,279	\$2,961	\$1,438	\$1,456	\$385	\$1,624	\$7,864	46,800	\$21,143		2011-2-31 Total	\$13,279	\$3,908	\$1,775	\$1,456	\$385	\$1,624	\$9,148	46,800	\$22,427		2011-2-31 Total	\$13,279	\$4,793	\$2,174	\$1,456	\$385	\$1,624	\$10,432	46,800	\$23,711	
		Income Benefits - Net of Taxes	CIT	MINE	Other Direct Taxes	Indirect Taxes	Induced Taxes	Total Taxes	Electricity Consumption	Income and Tax benefits			Income Benefits - Net of Taxes	CIT	MINE	Other Direct Taxes	Indirect Taxes	Induced Taxes	Total Taxes	Electricity Consumption	Income and Tax benefits			Income Benefits - Net of Taxes	CIT	MINE	Other Direct Taxes	Indirect Taxes	Induced Taxes	Total Taxes	Electricity Consumption	Income and Tax benefits	

												C	I۱	ΛF	Р	E	xł	nik	oit	P	-0	00)6	9										Pa	ge	9 3	3
Annual Average Equivalents Cents per Kwh	29.5	5.9	3.1	3.8	0.9	3.7	17.4		47.0		Annual Average Equivalents Cents per Kwh	29.5	8.2	4.3	3.8	0.9	3.7	20.9		50.5		Annual Average	Equivalents Cents per Kwh	29.5	10.4	5.6	3.8	0.9	3.7	24.4		54.0		Annual Average Equivalents Cents per Kwh	28.0	7.7	
Annual Average	\$911.00	\$182.00	\$95.00	\$117.00	\$28.00	\$115.00	\$537.00	3,083.0	\$1,448		Annual Average	\$911.00	\$252.00	\$133.00	\$117.00	\$28.00	\$115.00	\$645.00	3,083.0	\$1,556		Annual Average	000	\$911.00	\$321.00	\$172.00	\$117.00	\$28.00	\$115.00	\$753.00	3,083.0	\$1,664		Annual Average	\$1,217.00	\$334.00	
Discounted @ 8% Equivalents Cents per Kwh	31.0	5.9	3.0	3.7	6.0	3.9	17.4		48.3	Scenario 1 - \$100/\$130	Discounted @ 8% Equivalents Cents per Kwh	31.0	7.9	4.1	3.7	6.0	3.9	20.6		51.6	Scenario 1 - \$115/\$145	Discounted @ 8%	Equivalents Cents per Kwh	31.0	10.0	5.3	3.7	6.0	3.9	23.9		54.8	Scenario 2 - \$85/\$115	Discounted @ 8% Equivalents Cents per Kwh	30.6	7.7	
PV @ 8%	886′8\$	\$1,699	298\$	\$1,088	\$270	\$1,120	\$5,044	29,024	\$14,032	Scel	%8 @ Ad	\$86,8\$	\$2,306	\$1,197	\$1,088	\$270	\$1,120	\$5,981	29,024	\$14,969	Scel	%8 <i>@</i> /\d		\$8,988	\$2,912	\$1,536	\$1,088	\$270	\$1,120	\$6,926	29,024	\$15,914	Sce	%8 @ Ad	\$11,353	\$2,857	
2011-2-31 Total	\$19,133	\$3,824	\$1,995	\$2,451	\$588	\$2,419	\$11,277	64,750	\$30,410		2011-2-31 Total	\$19,133	\$5,284	\$2,795	\$2,451	\$288	\$2,419	\$13,537	64,750	\$32,670		2011-2-31 Total		\$19,133	\$6,743	\$3,608	\$2,451	\$588	\$2,419	\$15,809	64,750	\$34,942		2011-2-31 Total	\$25,557	\$7,024	
	Income Benefits - Net of Taxes	CIT	MINE	Other Direct Taxes	Indirect Taxes	Induced Taxes	Total Taxes	Electricity Consumption	Income and Tax benefits			Income Benefits - Net of Taxes	CIT	MINE	Other Direct Taxes	Indirect Taxes	Induced Taxes	Total Taxes	Electricity Consumption	Income and Tax benefits				Income Benefits - Net of Taxes	CIT	MINE	Other Direct Taxes	Indirect Taxes	Induced Taxes	Total Taxes	Electricity Consumption	Income and Tax benefits			Income Benefits - Net of Taxes	CIT	

TCO 'CĊ	\$2,181	5.9	\$271.00	6.2
\$2,899	\$1,309	3.5	\$138.00	3.2
\$940	\$409	1.1	\$45.00	1.0
\$3,149	\$1,399	3.8	\$150.00	3.4
\$19,703	\$8,155	22.0	\$938.00	21.6
91,400	37,059		4,352.0	
\$45,260	\$19,508	52.6	\$2,155	49.5
		Scenario 2 - \$100/\$130		
2011-2-31 Total	PV @ 8%	Discounted @ 8% Equivalents Cents per Kwh	Annual Average	Annual Average Equivalents Cents per Kwh
\$25,557	\$11,353	30.6	\$1,217.00	28.0
602'6\$	\$3,932	10.6	\$462.00	10.6
\$7,813	\$3,005	8.1	\$372.00	8.5
\$2,899	\$1,309	3.5	\$138.00	3.2
\$940	\$409	1.1	\$45.00	1.0
\$3,149	\$1,399	3.8	\$150.00	3.4
\$24,510	\$10,054	27.1	\$1,167.00	26.8
91,400	37,059		4,352.0	
\$50,067	\$21,407	57.8	\$2,384	54.8
	Sce	Scenario 2 - \$115/\$145		
2011-2-31 Total	PV @ 8%	Discounted @ 8% Equivalents Cents per Kwh	Annual Average	Annual Average Equivalents Cents per Kwh
\$25,557	\$11,353	30.6	\$1,217.00	28.0
\$12,395	\$5,010	13.5	\$590.00	13.6
\$1,003	\$3,869	10.4	\$476.00	10.9
\$2,899	\$1,309	3.5	\$138.00	3.2
\$940	\$409	1.1	\$45.00	1.0
\$3,149	\$1,399	3.8	\$150.00	3.4
\$20,386	\$11,996	32.4	\$1,399.00	32.1
91,400	37,059		4,352.0	
\$45,943	\$23,349	63.0	\$2,616	60.1
	Sce	Scenario 3 - \$85/\$115		
2011-2-31 Total	PV @ 8%	Discounted @ 8% Equivalents Cents per Kwh	Annual Average	Annual Average Equivalents Cents per Kwh
\$37,504	\$17,031	33.3	\$1,786.00	28.1
\$6,478	\$2,477	4.8	\$308.00	4.8
\$4,144	\$1,476	2.9	\$197.00	3.1
\$3,870	\$1,702	3.3	\$184.00	2.9
\$1,571	\$684	1.3	\$75.00	1.2
		•		

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Total Taxes	\$20,602	\$8,379	16.4	\$980.00	15.4	
Electricity Consumption	133,400	51,161		6352.0		
Income and Tax benefits	\$58,106	\$25,410	49.7	\$2,766	43.5	
		Sc	Scenario 3 - \$100/\$130			
	2011-2-31 Total	%8 @ ∧d	Discounted @ 8% Equivalents Cents per Kwh	Annual Average	Annual Average Equivalents Cents per Kwh	
Income Benefits - Net of Taxes	\$37,504	\$17,031	33.3	\$1,786.00	28.1	
CIT	\$9,554	\$3,575	7.0	\$455.00	7.2	
MINE	\$6,147	\$2,170	4.2	\$293.00	4.6	
Other Direct Taxes	\$3,870	\$1,702	3.3	\$184.00	2.9	
Indirect Taxes	\$1,571	\$684	1.3	\$75.00	1.2	
Induced Taxes	\$4,539	\$2,040	4.0	\$216.00	3.4	
Total Taxes	\$25,681	\$10,171	19.9	\$1,223.00	19.3	
Electricity Consumption	133,400	51,161		6352.0		
Income and Tax benefits	\$63,185	\$27,202	53.2	600'£\$	47.4	C
		Sc	Scenario 3 - \$115/\$145			IM
	2011-2-31 Total	PV @ 8%	Discounted @ 8% Equivalents Cents per Kwh	Annual Average	Annual Average Equivalents Cents per Kwh	FP
Income Benefits - Net of Taxes	\$37,504	\$17,031	33.3	\$1,786.00	28.1	E
CIT	\$12,647	\$4,702	9.2	\$602.00	9.5	Xľ
MINE	\$8,360	\$2,946	5.8	\$398.00	6.3	11¢
Other Direct Taxes	\$3,870	\$1,702	3.3	\$184.00	2.9	It
Indirect Taxes	\$1,571	\$684	1.3	\$75.00	1.2	Р
Induced Taxes	\$4,539	\$2,040	4.0	\$216.00	3.4	-0
Total Taxes	\$30,987	\$12,074	23.6	\$1,475.00	23.2	U
Electricity Consumption	133,400	51,161		6352.0)6
					9	9
Income and Tax benefits	\$68,491	\$29,105	56.9	\$3,261	51.3	

2.4 Concluding Observations

This analysis demonstrates the significant economic impacts the iron ore mining industry is having on the economy and treasury of Newfoundland and Labrador. The already impressive economic impacts could increase by a factor of three if all anticipated increases in production perceived in this analysis proceed. This analysis assumes that the availability power and labour will not pose any constraints on development.

Appendix A Inter-Industry Sales by Scenario and Industry

ase Case
\mathbf{m}
Sales –
ndustry
1
Inter-
A
Appendix

	Appendia Ai. mei-muusti	1. Illei-Illuddi y Saics – Dase Case		
Industry	Base Case Direct Sales by Industry in NL From Canex & Onex	Base Case Indirect Sales by Industry in NL	Base Case Induced Sales by Industry in NL	Base Case Total Sales by Industry in
	wad a wad a wat t	From Capex & Opex	From Capex & Opex	From Capex & Opex
001 Crop and Animal Production	\$0	\$6,434,269	\$17,985,785	\$24,420,054
002 Forestry and Logging	\$0	\$11,719,790	\$12,592,644	\$24,312,434
003 Fishing, Hunting and Trapping	\$0	\$356,198	\$3,675,590	\$4,031,788
004 Support Activities for Agriculture and Forestry	\$0	\$1,196,029	\$2,203,805	\$3,399,834
005 Oil and Gas Extraction	\$0	\$21,979,086	\$2,451,955	\$24,431,041
006 Coal Mining	0\$	\$3,370,424	\$371,786	\$3,742,209
007 Metal Ore Mining	\$14,992,000,000	\$21,676,226	\$1,104,310	\$15,014,780,535
008 Non-Metallic Mineral Mining and Quarrying	\$0	\$341,100,482	\$1,375,057	\$342,475,538
009 Support Activities for Mining and Oil and Gas Extraction	\$0	\$657,232,314	\$760,288	\$657,992,603
010 Electric Power Generation, Transmission and Distribution	\$0	\$1,018,965,387	\$121,087,079	\$1,140,052,466
011 Natural Gas Distribution, Water, Sewage and Other Systems	\$0	\$3,113,156	\$2,656,870	\$5,770,026
012 Residential Building Construction	\$0	\$458	\$337	\$795
013 Non-residential Building Construction	\$0	\$458	\$337	\$795
014 Transportation Engineering Construction	\$0	\$458	\$337	\$795
015 Oil and Gas Engineering Construction	\$0	\$458	\$337	\$795
016 Electric Power Engineering Construction	\$0	\$458	\$337	\$795
017 Communication Engineering Construction	0\$	\$458	\$337	\$795
018 Other Engineering Construction	\$3,227,000,000	\$458	\$337	\$3,227,000,795
019 Repair Construction	0\$	\$505,776,957	\$71,952,299	\$577,729,256
020 Other Activities of the Construction Industry	0\$	\$60,302,812	\$2,301,844	\$62,604,655
021 Animal Food Manufacturing	0\$	\$2,560,372	\$1,924,086	\$4,484,458
022 Sugar and Confectionery Product Manufacturing	\$0	\$1,031,211	\$636,388	\$1,667,598
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0\$	\$3,502,915	\$2,631,526	\$6,134,441
024 Dairy Product Manufacturing	0\$	\$5,071,111	\$10,743,827	\$15,814,939
025 Meat Product Manufacturing	0\$	\$5,907,600	\$14,568,111	\$20,475,711
026 Seafood Product Preparation and Packaging	0\$	\$1,055,363	\$6,961,468	\$8,016,831
027 Miscellaneous Food Manufacturing	\$0	\$16,421,146	\$14,993,942	\$31,415,088

Economic Impact Analysis of Iron Ore Mining Industry in	Labrado
t Analysis of Iron Ore Mining Ind	.⊟
t Analysis of Iron Ore Min	Industry
t Analysis of	Min
t Analysis of	Ö
	of Iron
	Analysis
-	

Industry	Dase Case Direct Sales by Industry in NL From Capex & Opex	Indirect Sales by Industry in NL From Capex & Opex	Induced Sales by Industry in NL From Capex & Opex	Total Sales by Industry in NL From Capex & Opex
	\$0	\$8,083,346	\$32,137,823	\$40,221,169
	\$0	\$3,403,438	\$296,111	\$3,699,549
	\$0	\$5,300,578	\$331,241	\$5,631,820
	0\$	\$975,632	\$197,511	\$1,173,143
	\$0	\$421,804	\$383,327	\$805,132
	0\$	\$13,229,355	\$2,054,126	\$15,283,481
	\$0	\$4,887,545	\$769,138	\$5,656,682
	\$0	\$2,526,137	\$326,721	\$2,852,859
	0\$	\$7,650,115	\$1,156,220	\$8,806,334
	0\$	\$10,530,395	\$1,423,356	\$11,953,751
	0\$	\$13,916,650	\$2,828,305	\$16,744,955
	0\$	\$10,662,857	\$3,818,696	\$14,481,552
	0\$	\$9,807,015	\$1,070,196	\$10,877,212
041 Basic Chemical Manufacturing	\$0	\$10,115,272	\$553,623	\$10,668,895
	0\$	\$3,152,817	\$339,671	\$3,492,487
	0\$	\$32,528,093	\$773,881	\$33,301,974
	0\$	\$7,358,306	\$990,125	\$8,348,431
	0\$	\$36,785,259	\$2,182,660	\$38,967,918
	0\$	\$175,688,936	\$3,410,199	\$179,099,135
	0\$	\$27,983,793	\$495,815	\$28,479,608
	0\$	\$74,870,911	\$2,618,512	\$77,489,424
	0\$	\$42,215,967	\$985,933	\$43,201,901
	0\$	\$43,714,682	\$2,053,882	\$45,768,564
	\$0	\$180,330,730	\$4,509,296	\$184,840,025
	0\$	\$103,221,018	\$3,705,651	\$106,926,669
	80	\$687,047	\$52,592	\$739,639
	\$0	\$13,226,138	\$1,862,134	\$15,088,272

adc.
abr
_
Ë.
Industry
Mining
Ore
of Iron
Analysis
Economic Impact

	-							Ç)69				- 1	-				ag	,	38
Base Case Total Sales by Industry in NL From Capex & Opex	\$6,121,289	\$72,864,761	\$39,016,293	\$948,900,418	\$6,455,976	\$635,021	\$3,237,164	\$12,236,161	\$6,885,833	\$5,787,936	\$366,936,004	\$832,265,915	\$20,592,888	\$8,316,548	\$2,228,295	\$111,803,466	\$19,821,399	\$1,272,800	\$55,538,567	\$57,824,228	\$4,593,650	\$54,913,315	\$17,343,973	\$18,810,957	\$221,127,473	\$79,215,187	\$122,798,055	\$258,741,152
Base Case Induced Sales by Industry in NL From Capex & Opex	\$605,920	\$2,725,207	\$727,623	\$11,623,447	\$603,342	\$46,991	\$2,284,759	\$4,243,533	\$1,331,132	\$1,107,572	\$66,278,788	\$476,609,932	\$10,361,478	\$2,080,951	\$943,494	\$24,645,967	\$13,959,365	\$301,956	\$9,432,848	\$22,245,327	\$1,235,032	\$16,439,586	\$9,646,991	\$12,815,324	\$118,430,445	\$39,729,252	\$89,594,512	\$169,798,704
Base Case Indirect Sales by Industry in NL From Capex & Opex	\$5,515,369	\$70,139,554	\$38,288,670	\$937,276,971	\$5,852,634	\$588,030	\$952,405	\$7,992,628	\$5,554,701	\$4,680,365	\$300,657,216	\$355,655,983	\$10,231,410	\$6,235,597	\$1,284,800	\$87,157,499	\$5,862,034	\$970,845	\$46,105,719	\$35,578,901	\$3,358,618	\$38,473,729	\$7,696,983	\$5,995,633	\$102,697,029	\$39,485,935	\$33,203,543	\$88,942,448
Base Case Direct Sales by Industry in NL From Capex & Opex	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Industry	056 Electrical Equipment and Component Manufacturing	057 Motor Vehicle Manufacturing	058 Motor Vehicle Body and Trailer Manufacturing	059 Motor Vehicle Parts Manufacturing	060 Aerospace Product and Parts Manufacturing	061 Railroad Rolling Stock Manufacturing	062 Ship and Boat Building	063 Other Transportation Equipment Manufacturing	064 Furniture and Related Product Manufacturing	065 Miscellaneous Manufacturing	066 Wholesale Trade	067 Retail Trade	068 Air Transportation	069 Rail Transportation	070 Water Transportation	071 Truck Transportation	072 Transit and Ground Passenger Transportation	073 Pipeline Transportation	074 Scenic and Sightseeing Transportation and Support Activities for Transportation	075 Postal Service and Couriers and Messengers	076 Warehousing and Storage	077 Publishing Industries, Information Services and Data Processing Services	078 Motion Picture and Sound Recording Industries	079 Radio and Television Broadcasting	080 Pay TV, Specialty TV and Program Distribution and Telecommunications	081 Monetary Authorities and Depository Credit Intermediation	082 Insurance Carriers	083 Lessors of Real Estate

$^{\circ}$
ij
5
. "
.⊟
\rightarrow
Ħ
ust
Ð
. =
ವಿ
Ξ.
.5
$\overline{\mathbf{v}}$
ė
Ö
Iron Ore
Ĕ
ron
Π
ĭ
of]
is.
8
$\frac{1}{2}$
2
Ħ
Analysis
+
ಹ
ф
Ш
Τ
$^{\circ}$
Ξ.
7
conomic Impac
0
္လ
Щ

Industry	Base Case Direct Sales by Industry in NL From Capex & Opex	Base Case Indirect Sales by Industry in NL From Capex & Opex	Base Case Induced Sales by Industry in NL From Capex & Opex	Base Case Total Sales by Industry in NL From Capex & Opex
084 Owner-Occupied Dwellings	0\$	\$458	\$498,183,560	\$498,184,019
085 Rental and Leasing Services and Lessors of Non-Financial Intangible	0\$	\$27,934,075	\$13,885,830	\$41,819,904
086 Other Finance, Insurance and Real Estate and Management of Companies	0\$	\$117,695,596	\$131,305,586	\$249,001,182
087 Legal, Accounting and Architectural, Engineering and Related Services	0\$	\$783,790,942	\$35,847,074	\$819,638,016
088 Advertising and Related Services	0\$	\$12,234,383	\$7,019,717	\$19,254,100
089 Computer Systems Design and Other Professional, Scientific and Technical	0\$	\$350,429,855	\$40,687,680	\$391,117,536
090 Administrative and Support Services	\$0	\$439,547,668	\$56,198,230	\$495,745,898
091 Waste Management and Remediation Services	\$0	\$6,636,676	\$13,871,494	\$20,508,170
092 Educational Services (except Universities)	\$0	\$2,230,927	\$9,922,112	\$12,153,040
093 Health Care Services (except Hospitals) and Social Assistance	\$0	\$6,917,095	\$73,450,625	\$80,367,720
094 Arts, Entertainment and Recreation	\$0	\$10,734,811	\$44,202,733	\$54,937,543
095 Outfitters, accommodation and food services (NAICS 7200)	\$0	\$50,368,674	\$176,840,133	\$227,208,807
096 Repair and Maintenance	\$0	\$106,945,543	\$40,763,146	\$147,708,689
097 Personal and Laundry Services and Private Households	\$0	\$2,289,586	\$33,312,506	\$35,602,092
098 Grant-Making, Civic, and Professional and Similar Organizations	\$0	\$4,380,580	\$5,597,140	\$9,977,720
	\$0	\$1,655,139,012	\$33,949,494	\$1,689,088,505
	0\$	\$46,818,207	\$12,281,615	\$59,099,822
	\$0	\$4,238,103	\$4,037,227	\$8,275,330
	0\$	\$13,783,850	\$2,482,181	\$16,266,031
103 Travel and Entertainment	0\$	\$112,091,945	\$38,586,250	\$150,678,196
104 Advertising and Promotion	0\$	\$77,052,755	\$40,184,206	\$117,236,961
	0\$	\$72,999,592	\$17,612,333	\$90,611,925
106 Religious & Welfare Organizations	\$0	\$5,724	\$40,712,864	\$40,718,588
107 Non-Profit Sports and Recreation Clubs	\$0	\$202,459	\$7,485,454	\$7,687,912
108 Non-Profit Education Institutions	0\$	\$953,020	\$8,936,363	\$9,889,383
109 Other Non-Profit Institutions Serving Households	0\$	\$3,681,605	\$36,377,799	\$40,059,404
	0\$	\$10,009,255	\$9,743,664	\$19,752,919
111 Government Residential Care Facilities	0\$	\$268,643	\$2,947,386	\$3,216,029

Industry	Base Case Direct Sales by Industry in NL From Capex & Opex	Base Case Indirect Sales by Industry in NL From Capex & Opex	Base Case Induced Sales by Industry in NL From Capex & Opex	Base Case Total Sales by Industry in NL From Capex & Opex
112 Universities	0\$	\$14,549,249	\$17,174,583	\$31,723,832
113 Government Education Services	\$0	\$6,447,951	\$9,666,604	\$16,114,555
114 Other Municipal Government Services	\$0	\$21,682,792	\$32,114,707	\$53,797,499
115 Other Provincial and Territorial Government Services	\$0	\$31,784,872	\$13,233,485	\$45,018,357
116 Other Federal Government Services	\$0	\$30,124,969	\$11,963,330	\$42,088,298
117 Households	0\$	\$0	\$5,412,096,294	\$5,412,096,294
Total	\$18,219,000,000	\$9,803,000,000	\$8,407,000,000	\$36,429,000,000

0
Ξ
a
Ħ
3
Š
1
S
P
ಡ
S
#
2
Ę
ĭ
三
Ė
ē
Ī
<u>.:</u>
Z
7
Ζ.
7
Ä
96
0
1
7

Industry 001 Crop and Animal Production 002 Forestry and Logging 003 Fishing, Hunting and Trapping 004 Support Activities for Agriculture and Forestry 005 Oil and Gas Extraction 006 Coal Mining 007 Metal Ore Mining	Scenario 1 Direct Sales by Industry in NL From Capex & Opex \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Scenario 1 Indirect Sales by Industry in NL From Capex & Opex \$10,316,409 \$18,430,563 \$585,597 \$1,839,729 \$36,034,130 \$4,937,109 \$33,261,828	Scenario 1 Induced Sales by Industry in NL. From Capex & Opex \$27,291,915 \$19,083,765 \$5,631,945 \$3,344,131 \$3,772,760	Scenario 1 Total Sales by Industry in NL From Capex & Opex \$37,608,324
001 Crop and Animal Production 002 Forestry and Logging 003 Fishing, Hunting and Trapping 004 Support Activities for Agriculture and Forestry 005 Oil and Gas Extraction 006 Coal Mining 007 Metal Ore Mining	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$10,316,409 \$18,430,563 \$585,597 \$1,839,729 \$36,034,130 \$4,937,109 \$33,261,828	\$27,291,915 \$19,083,765 \$5,631,945 \$3,344,131 \$3,772,760	\$37,608,324
002 Forestry and Logging 003 Fishing, Hunting and Trapping 004 Support Activities for Agriculture and Forestry 005 Oil and Gas Extraction 006 Coal Mining 007 Metal Ore Mining	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$18,430,563 \$585,597 \$1,839,729 \$36,034,130 \$4,937,109 \$33,261,828	\$19,083,765 \$5,631,945 \$3,344,131 \$3,772,760	
003 Fishing, Hunting and Trapping 004 Support Activities for Agriculture and Forestry 005 Oil and Gas Extraction 006 Coal Mining 007 Metal Ore Mining	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$585,597 \$1,839,729 \$36,034,130 \$4,937,109 \$33,261,828	\$5,631,945 \$3,344,131 \$3,772,760	\$37,514,327
004 Support Activities for Agriculture and Forestry 005 Oil and Gas Extraction 006 Coal Mining 007 Metal Ore Mining	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$1,839,729 \$36,034,130 \$4,937,109 \$33,261,828	\$3,344,131	\$6,217,542
005 Oil and Gas Extraction 006 Coal Mining 007 Metal Ore Mining	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$36,034,130	\$3,772,760	\$5,183,860
006 Coal Mining 007 Metal Ore Mining	\$22,122,000,000	\$4,937,109		\$39,806,890
007 Metal Ore Mining	\$22,122,000,000	\$33,261,828	\$563,966	\$5,501,075
	0\$		\$1,699,283	\$22,156,961,111
008 Non-Metallic Mineral Mining and Quarrying	\$0	\$474,695,709	\$2,089,634	\$476,785,343
009 Support Activities for Mining and Oil and Gas Extraction		\$1,094,125,425	\$1,153,324	\$1,095,278,749
010 Electric Power Generation, Transmission and Distribution	0\$	\$1,493,181,607	\$183,659,704	\$1,676,841,312
011 Natural Gas Distribution, Water, Sewage and Other Systems	\$0	\$5,009,042	\$4,025,074	\$9,034,116
012 Residential Building Construction	\$	\$716	\$512	\$1,228
013 Non-residential Building Construction	\$0	\$716	\$512	\$1,228
014 Transportation Engineering Construction	\$	\$716	\$512	\$1,228
015 Oil and Gas Engineering Construction	0\$	\$716	\$512	\$1,228
016 Electric Power Engineering Construction	\$	\$716	\$512	\$1,228
017 Communication Engineering Construction	0\$	\$716	\$512	\$1,228
018 Other Engineering Construction	\$5,262,000,000	\$716	\$512	\$5,262,001,228
019 Repair Construction	0\$	\$690,765,662	\$109,023,039	\$799,788,701
020 Other Activities of the Construction Industry	0\$	\$86,039,978	\$3,488,229	\$89,528,207
021 Animal Food Manufacturing	0\$	\$4,045,992	\$2,923,162	\$6,969,154
022 Sugar and Confectionery Product Manufacturing	0\$	\$1,670,667	\$964,118	\$2,634,785
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0\$	\$5,750,574	\$3,992,000	\$9,742,575
024 Dairy Product Manufacturing	0\$	\$8,341,579	\$16,300,718	\$24,642,296
025 Meat Product Manufacturing	0\$	\$9,614,860	\$22,086,091	\$31,700,952
026 Seafood Product Preparation and Packaging	\$	\$1,734,662	\$10,626,210	\$12,360,872
027 Miscellaneous Food Manufacturing	\$0	\$27,185,384	\$22,717,481	\$49,902,865

adc.
abr
_
Ë.
Industry
Mining
Ore
of Iron
Analysis
Economic Impact

	Direct Sales by Industry in NL From Capex & Opex	Indirect Sales by Industry in NL From Capex & Opex	Induced Sales by Industry in NL From Capex & Opex	Total Sales by Industry in NL From Capex & Opex
028 Beverage Manufacturing	0\$	\$13,168,694	\$48,722,982	\$61,891,676
029 Tobacco Manufacturing	\$0	\$5,668,772	\$448,497	\$6,117,269
030 Textile and Textile Product Mills	0\$	\$7,797,501	\$501,833	\$8,299,334
031 Clothing Manufacturing	0\$	\$1,504,480	\$299,328	\$1,803,808
032 Leather and Allied Product Manufacturing	0\$	\$678,026	\$594,396	\$1,272,421
033 Sawmills	0\$	\$20,498,815	\$3,115,516	\$23,614,331
034 Plywood	0\$	\$7,192,753	\$1,164,922	\$8,357,675
035 Doors&Windows	\$0	\$3,689,803	\$495,035	\$4,184,837
036 Other Wood Product Manufacturing	0\$	\$11,176,912	\$1,752,424	\$12,929,336
037 Pulp, Paper and Paperboard Mills	0\$	\$17,165,904	\$2,177,758	\$19,343,662
038 Converted Paper Product Manufacturing	0\$	\$21,150,258	\$4,287,094	\$25,437,351
039 Printing and Related Support Activities	\$0	\$17,184,688	\$5,786,010	\$22,970,699
040 Petroleum and Coal Products Manufacturing	0\$	\$15,854,889	\$1,622,192	\$17,477,081
041 Basic Chemical Manufacturing	0\$	\$16,361,992	\$839,040	\$17,201,032
Synthetic Rubber, and Artificial and Synthetic Fibres and Filaments	0\$	\$4,931,366	\$514,744	\$5,446,111
043 Pesticides, Fertilizer and Other Agricultural Chemical Manufacturing	0\$	\$45,810,361	\$1,173,137	\$46,983,498
044 Pharmaceutical and Medicine Manufacturing	0\$	\$11,991,762	\$1,500,156	\$13,491,918
045 Miscellaneous Chemical Product Manufacturing	0\$	\$50,319,661	\$3,308,490	\$53,628,151
046 Plastic Product Manufacturing	0\$	\$246,612,973	\$5,166,479	\$251,779,452
047 Rubber Product Manufacturing	0\$	\$39,460,356	\$750,922	\$40,211,278
048 Cement and Concrete Product Manufacturing	0\$	\$105,914,261	\$3,967,296	\$109,881,557
049 Miscellaneous Non-Metallic Mineral Product Manufacturing	0\$	\$59,179,718	\$1,497,359	\$60,677,077
050 Primary Metal Manufacturing	0\$	\$61,466,534	\$3,113,821	\$64,580,355
051 Fabricated Metal Product Manufacturing	0\$	\$251,352,090	\$6,831,594	\$258,183,684
052 Machinery Manufacturing	0\$	\$156,825,048	\$5,613,698	\$162,438,746
053 Computer and Peripheral Equipment Manufacturing	0\$	\$1,107,350	\$79,67\$	\$1,187,025
054 Electronic Product Manufacturing	0\$	\$21,395,856	\$2,823,757	\$24,219,613
055 Household Appliance Manufacturing	0\$	\$844,570	\$256,585	\$1,101,155

n Labrador
Industry i
re Mining
of Iron O
Analysis
nomic Impact
Ecoi

Industry	Scenario I Direct Sales by Industry in NL From Capex & Opex	Scenario 1 Indirect Sales by Industry in NL From Capex & Opex	Scenario 1 Induced Sales by Industry in NL From Capex & Opex	Scenario 1 Total Sales by Industry in NL From Capex & Opex
056 Electrical Equipment and Component Manufacturing	0\$	\$8,923,680	\$918,216	\$9,841,895
	0\$	\$103,354,339	\$4,127,638	\$107,481,977
058 Motor Vehicle Body and Trailer Manufacturing	0\$	\$53,767,848	\$1,102,030	\$54,869,878
	0\$	\$1,308,062,114	\$17,602,357	\$1,325,664,471
060 Aerospace Product and Parts Manufacturing	0\$	\$9,748,825	\$914,475	\$10,663,301
	0\$	\$839,169	\$71,169	\$910,339
	0\$	\$1,552,350	\$3,465,728	\$5,018,078
063 Other Transportation Equipment Manufacturing	\$0	\$11,362,198	\$6,429,533	\$17,791,731
064 Furniture and Related Product Manufacturing	0\$	\$8,212,902	\$2,016,811	\$10,229,713
	0\$	\$7,191,532	\$1,678,908	\$8,870,440
	0\$	\$451,680,018	\$100,461,776	\$552,141,794
	0\$	\$546,948,381	\$722,008,774	\$1,268,957,156
	0\$	\$16,439,349	\$15,896,358	\$32,335,708
	0\$	\$9,489,231	\$3,174,086	\$12,663,316
	0\$	\$2,003,543	\$1,433,751	\$3,437,294
	0\$	\$129,613,461	\$37,411,708	\$167,025,169
072 Transit and Ground Passenger Transportation	0\$	\$9,218,597	\$21,151,855	\$30,370,452
	0\$	\$1,582,909	\$457,494	\$2,040,403
074 Scenic and Sightseeing Transportation and Support Activities for	0\$	\$76,486,073	\$14,334,590	\$90,820,663
075 Postal Service and Couriers and Messengers	0\$	\$56,127,259	\$33,706,511	\$89,833,770
	0\$	\$5,286,364	\$1,872,527	\$7,158,892
077 Publishing Industries, Information Services and Data Processing Services	0\$	\$61,798,249	\$24,912,072	\$86,710,321
078 Motion Picture and Sound Recording Industries	0\$	\$12,057,538	\$14,615,922	\$26,673,461
	0\$	\$9,408,303	\$19,425,442	\$28,833,745
080 Pay TV, Specialty TV and Program Distribution and Telecommunications	0\$	\$165,132,009	\$179,491,918	\$344,623,927
081 Monetary Authorities and Depository Credit Intermediation	0\$	\$60,006,013	\$60,205,775	\$120,211,788
	0\$	\$50,607,865	\$135,750,443	\$186,358,308
	\$0	\$140.823.819	\$257.278.839	\$398.102.658

n Labrador
.=
Industry
Mining
Ore
of Iron
Analysis
nic Impact
Econon

Industry	Scenario 1 Direct Sales by Industry in NL From Capex & Opex	Scenario 1 Indirect Sales by Industry in NL From Capex & Opex	Scenario I Induced Sales by Industry in NL From Capex & Opex	Scenario I Total Sales by Industry in NL From Capex & Opex
084 Owner-Occupied Dwellings	0\$	\$716	\$754,659,078	\$754,659,794
085 Rental and Leasing Services and Lessors of Non-Financial Intangible Assets	0\$	\$43,055,951	\$21,043,711	\$64,099,662
086 Other Finance, Insurance and Real Estate and Management of Companies	\$0	\$179,478,792	\$198,949,242	\$378,428,033
087 Legal, Accounting and Architectural, Engineering and Related Services	\$0	\$1,262,845,325	\$54,294,001	\$1,317,139,326
088 Advertising and Related Services	\$0	\$19,006,148	\$10,636,164	\$29,642,313
089 Computer Systems Design and Other Professional, Scientific and Technical	\$0	\$582,231,894	\$61,644,942	\$643,876,837
090 Administrative and Support Services	\$0	\$727,545,705	\$85,128,205	\$812,673,910
091 Waste Management and Remediation Services	\$0	\$10,035,325	\$21,015,284	\$31,050,609
092 Educational Services (except Universities)	\$0	\$3,575,514	\$15,027,677	\$18,603,191
093 Health Care Services (except Hospitals) and Social Assistance	\$0	\$10,926,249	\$111,280,117	\$122,206,366
094 Arts, Entertainment and Recreation	\$0	\$17,195,993	\$66,964,569	\$84,160,562
095 Outfitters, accommodation and food services (NAICS 7200)	\$0	\$79,434,014	\$267,944,768	\$347,378,783
096 Repair and Maintenance	\$0	\$176,395,735	\$61,756,299	\$238,152,034
097 Personal and Laundry Services and Private Households	0\$	\$3,565,923	\$50,464,327	\$54,030,250
098 Grant-Making, Civic, and Professional and Similar Organizations	0\$	\$7,008,309	\$8,487,217	\$15,495,526
	\$0	\$2,645,471,237	\$51,454,549	\$2,696,925,786
	\$0	\$74,131,710	\$18,610,288	\$92,741,998
	\$0	\$6,662,260	\$6,116,601	\$12,778,861
	\$0	\$21,894,409	\$3,761,040	\$25,655,448
103 Travel and Entertainment	\$0	\$175,398,840	\$58,466,866	\$233,865,706
104 Advertising and Promotion	0\$	\$119,084,568	\$60,888,521	\$179,973,089
105 Transportation Margins	0\$	\$107,055,666	\$26,755,392	\$133,811,059
106 Religious & Welfare Organizations	0\$	\$9,438	\$61,672,719	\$61,682,157
107 Non-Profit Sports and Recreation Clubs	\$0	\$318,050	\$11,339,561	\$11,657,610
108 Non-Profit Education Institutions	\$0	\$1,500,937	\$13,535,923	\$15,036,860
109 Other Non-Profit Institutions Serving Households	\$0	\$5,808,315	\$55,114,865	\$60,923,180
	0\$	\$16,648,337	\$14,760,984	\$31,409,321
111 Government Residential Care Facilities	0\$	\$423,654	\$4.465.316	\$4,888,970

In Labrador	
ınnıng ındustry	
is of fron Ore in	
ımpacı Anaıysı	
Economic	

Industry	Scenario 1 Direct Sales by Industry in NL From Capex & Opex	Scenario 1 Indirect Sales by Industry in NL From Capex & Opex	Scenario 1 Induced Sales by Industry in NL From Capex & Opex	Scenario 1 Total Sales by Industry in NL From Capex & Opex
112 Universities	0\$	\$23,322,875	\$26,013,626	\$49,336,502
113 Government Education Services	0\$	\$10,489,649	\$14,641,468	\$25,131,117
114 Other Municipal Government Services	0\$	\$32,807,682	\$48,656,846	\$81,464,528
115 Other Provincial and Territorial Government Services	0\$	\$49,947,402	\$20,057,220	\$70,004,622
116 Other Federal Government Services	0\$	\$48,122,530	\$18,132,829	\$66,255,358
117 Households	0\$	\$0	\$8,177,498,199	\$8,177,498,199
Total	\$27,384,000,000	\$15,003,000,000	\$12,716,000,000	\$55,103,000,000

(1
nario
Scen
ا
ales
S
ľ
ust
nd
er-I
Ī
43:
lix /
enc
da 1
4

Append	ellaix A3: Illter-Hitaustry Sales – Scellario	/ Sales – Scellario 4		
Industry	Scenario 2 Direct Sales by Industry in NL	Scenario 2 Indirect Sales by Industry in	Scenario 2 Induced Sales by Industry in	Scenario 2 Total Sales by Industry in
	From Capex & Opex	From Capex & Opex	From Capex & Opex	From Capex & Opex
001 Crop and Animal Production	0\$	\$15,775,070	\$41,419,852	\$57,194,922
002 Forestry and Logging	\$0	\$27,298,304	\$28,937,359	\$56,235,663
003 Fishing, Hunting and Trapping	\$0	\$889,437	\$8,604,392	\$9,493,829
004 Support Activities for Agriculture and Forestry	\$0	\$2,911,675	\$5,078,026	\$7,989,701
005 Oil and Gas Extraction	\$0	\$53,989,213	\$5,776,443	\$59,765,656
006 Coal Mining	\$0	\$7,018,050	\$855,561	\$7,873,611
007 Metal Ore Mining	\$30,751,000,000	\$50,819,261	\$2,603,074	\$30,804,422,335
008 Non-Metallic Mineral Mining and Quarrying	\$0	\$1,008,939,670	\$3,173,999	\$1,012,113,669
009 Support Activities for Mining and Oil and Gas Extraction	\$0	\$1,681,508,149	\$1,750,376	\$1,683,258,525
010 Electric Power Generation, Transmission and Distribution	\$0	\$2,124,028,276	\$278,602,440	\$2,402,630,715
011 Natural Gas Distribution, Water, Sewage and Other Systems	\$0	\$7,904,834	\$6,101,443	\$14,006,276
012 Residential Building Construction	\$0	\$1,231	\$778	\$2,009
013 Non-residential Building Construction	\$0	\$1,231	\$778	\$2,009
014 Transportation Engineering Construction	\$0	\$1,231	\$778	\$2,009
015 Oil and Gas Engineering Construction	\$0	\$1,231	\$778	\$2,009
016 Electric Power Engineering Construction	\$0	\$1,231	\$778	\$2,009
017 Communication Engineering Construction	0\$	\$1,231	\$778	\$2,009
018 Other Engineering Construction	\$9,120,000,000	\$1,231	\$778	\$9,120,002,009
019 Repair Construction	0\$	\$840,735,197	\$165,277,207	\$1,006,012,405
020 Other Activities of the Construction Industry	0\$	\$172,606,218	\$5,288,881	\$177,895,099
021 Animal Food Manufacturing	\$0	\$6,111,658	\$4,439,927	\$10,551,585
022 Sugar and Confectionery Product Manufacturing	0\$	\$2,518,237	\$1,461,503	\$3,979,740
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0\$	\$8,703,128	\$6,062,139	\$14,765,267
024 Dairy Product Manufacturing	0\$	\$12,711,590	\$24,732,512	\$37,444,102
025 Meat Product Manufacturing	0\$	\$14,719,949	\$33,495,436	\$48,215,385
026 Seafood Product Preparation and Packaging	\$0	\$2,651,489	\$16,208,807	\$18,860,297
027 Miscellaneous Food Manufacturing	0\$	\$41,435,312	\$34,440,881	\$75,876,192

adc.
abr
_
Ë.
Industry
Mining
Ore
of Iron
Analysis
Economic Impact

Industry	Scenario 2 Direct Sales by Industry in NL From Capex & Opex	Indirect Sales by Industry in NL From Capex & Opex	Induced Sales by Industry in NL From Capex & Opex	Scenario Z Total Sales by Industry in NL From Capex & Opex
028 Beverage Manufacturing	0\$	\$20,177,838	\$73,926,131	\$94,103,969
029 Tobacco Manufacturing	0\$	\$8,662,863	\$679,850	\$9,342,713
030 Textile and Textile Product Mills	0\$	\$14,644,715	\$760,804	\$15,405,519
031 Clothing Manufacturing	0\$	\$2,225,887	\$453,919	\$2,679,806
032 Leather and Allied Product Manufacturing	0\$	\$975,540	\$914,757	\$1,890,297
	\$0	\$29,530,055	\$4,726,998	\$34,257,053
	0\$	\$9,940,430	\$1,765,714	\$11,706,144
035 Doors&Windows	\$0	\$4,967,829	\$750,482	\$5,718,311
036 Other Wood Product Manufacturing	0\$	\$15,645,031	\$2,657,504	\$18,302,535
037 Pulp, Paper and Paperboard Mills	0\$	\$25,930,828	\$3,324,477	\$29,255,304
038 Converted Paper Product Manufacturing	0\$	\$35,948,061	\$6,502,195	\$42,450,256
039 Printing and Related Support Activities	0\$	\$26,742,803	\$8,772,051	\$35,514,855
040 Petroleum and Coal Products Manufacturing	\$0	\$24,389,920	\$2,460,265	\$26,850,185
041 Basic Chemical Manufacturing	0\$	\$25,816,063	\$1,272,364	\$27,088,427
c Rubber, and Artificial and Synthetic Fibres and Filaments	0\$	\$7,103,470	\$780,639	\$7,884,109
043 Pesticides, Fertilizer and Other Agricultural Chemical Manufacturing	0\$	\$94,066,131	\$1,779,202	\$95,845,333
044 Pharmaceutical and Medicine Manufacturing	0\$	\$18,143,213	\$2,274,512	\$20,417,725
045 Miscellaneous Chemical Product Manufacturing	\$0	\$63,556,003	\$5,018,583	\$68,574,586
046 Plastic Product Manufacturing	0\$	\$509,327,758	\$7,832,753	\$517,160,511
047 Rubber Product Manufacturing	0\$	\$81,340,973	\$1,138,179	\$82,479,152
048 Cement and Concrete Product Manufacturing	\$0	\$238,807,328	\$6,014,326	\$244,821,654
049 Miscellaneous Non-Metallic Mineral Product Manufacturing	\$0	\$120,518,008	\$2,274,438	\$122,792,446
050 Primary Metal Manufacturing	\$0	\$93,912,692	\$4,722,563	\$98,635,254
051 Fabricated Metal Product Manufacturing	\$0	\$495,841,710	\$10,356,891	\$506,198,601
052 Machinery Manufacturing	\$0	\$255,230,891	\$8,510,218	\$263,741,109
053 Computer and Peripheral Equipment Manufacturing	\$	\$1,773,452	\$120,794	\$1,894,245
054 Electronic Product Manufacturing	\$0	\$32,850,543	\$4,283,519	\$37,134,063
055 Household Appliance Manufacturing	\$0	\$1,356,305	\$388.981	\$1.745.286

ıbrador
ĭ
Ξ.
Industry
Mining
Ore
of Iron
Analysis o
Sconomic Impact /
. –

Industry	Scenario 2 Direct Sales by Industry in NL From Capex & Opex	Scenario 2 Indirect Sales by Industry in NL From Capex & Opex	Scenario 2 Induced Sales by Industry in NL From Capex & Opex	Scenario 2 Total Sales by Industry in NL From Capex & Opex
056 Electrical Equipment and Component Manufacturing	0\$	\$13,656,696	\$1,392,324	\$15,049,021
057 Motor Vehicle Manufacturing	\$0	\$197,701,633	\$6,256,605	\$203,958,238
058 Motor Vehicle Body and Trailer Manufacturing	0\$	\$111,653,006	\$1,670,317	\$113,323,323
059 Motor Vehicle Parts Manufacturing	\$0	\$2,745,737,264	\$26,677,800	\$2,772,415,064
060 Aerospace Product and Parts Manufacturing	0\$	\$14,861,791	\$1,386,953	\$16,248,744
061 Railroad Rolling Stock Manufacturing	\$0	\$1,497,358	\$107,875	\$1,605,233
062 Ship and Boat Building	0\$	\$2,450,884	\$5,258,467	\$7,709,351
063 Other Transportation Equipment Manufacturing	\$0	\$22,780,857	\$9,746,742	\$32,527,598
064 Furniture and Related Product Manufacturing	\$0	\$11,408,053	\$3,057,507	\$14,465,560
065 Miscellaneous Manufacturing	\$	\$11,215,312	\$2,546,193	\$13,761,504
066 Wholesale Trade	\$0	\$664,142,618	\$152,370,474	\$816,513,092
067 Retail Trade	\$0	\$845,216,910	\$1,094,409,128	\$1,939,626,038
068 Air Transportation	\$0	\$25,455,806	\$24,348,016	\$49,803,821
069 Rail Transportation	0\$	\$16,252,877	\$4,836,883	\$21,089,759
070 Water Transportation	\$0	\$3,446,464	\$2,179,585	\$5,626,048
071 Truck Transportation	\$0	\$218,234,131	\$56,828,167	\$275,062,298
072 Transit and Ground Passenger Transportation	\$0	\$14,393,148	\$32,070,880	\$46,464,027
073 Pipeline Transportation	\$0	\$2,431,687	\$693,566	\$3,125,253
074 Scenic and Sightseeing Transportation and Support Activities for	0\$	\$117,741,811	\$21,787,230	\$139,529,042
075 Postal Service and Couriers and Messengers	0\$	\$86,785,862	\$51,100,240	\$137,886,101
076 Warehousing and Storage	0\$	\$8,247,038	\$2,840,443	\$11,087,481
077 Publishing Industries, Information Services and Data Processing Services	0\$	\$95,461,859	\$37,773,762	\$133,235,621
078 Motion Picture and Sound Recording Industries	0\$	\$18,724,701	\$22,156,630	\$40,881,332
079 Radio and Television Broadcasting	\$0	\$14,653,205	\$29,456,332	\$44,109,537
080 Pay TV, Specialty TV and Program Distribution and Telecommunications	0\$	\$255,698,685	\$272,175,375	\$527,874,060
081 Monetary Authorities and Depository Credit Intermediation	0\$	\$97,443,767	\$91,280,425	\$188,724,192
082 Insurance Carriers	0\$	\$78,621,296	\$205,790,086	\$284,411,382
083 Lessors of Real Estate	0\$	\$218,317,327	\$390,028,198	\$608,345,526

Economic Impact Analysis of Iron Ore Mining Industry in Labra	adoi
nomic Impact Analysis of Iron Ore Mining Industry in I	abr
nomic Impact Analysis of Iron Ore Mining Ind	
nomic Impact Analysis of Iron Ore Mining Ind	Ξ.
nomic Impact Analysis of Iron Ore Minin	Industry
nomic Impact Analysis of Iron Or	П
nomic Impact Analysis of	≘
nomic Impact Analysis	of Iron
nomic Impac	Analysis
Economic	
	Economic

Industry	Scenario 2 Direct Sales by Industry in NL From Capex & Opex	Scenario 2 Indirect Sales by Industry in NL From Capex & Opex	Scenario 2 Induced Sales by Industry in NL From Capex & Opex	Scenario 2 Total Sales by Industry in NL From Capex & Opex
084 Owner-Occupied Dwellings	\$0	\$1,231	\$1,143,840,030	\$1,143,841,261
085 Rental and Leasing Services and Lessors of Non-Financial Intangible Assets	0\$	\$68,552,267	\$31,908,668	\$100,460,936
086 Other Finance, Insurance and Real Estate and Management of Companies	0\$	\$288,876,948	\$301,601,100	\$590,478,047
087 Legal, Accounting and Architectural, Engineering and Related Services	\$0	\$1,970,263,216	\$82,299,262	\$2,052,562,478
088 Advertising and Related Services	0\$	\$29,680,757	\$16,124,953	\$45,805,710
089 Computer Systems Design and Other Professional, Scientific and Technical	0\$	\$890,344,170	\$93,466,725	\$983,810,895
090 Administrative and Support Services	0\$	\$1,100,957,585	\$129,042,915	\$1,230,000,500
091 Waste Management and Remediation Services	\$0	\$17,026,313	\$31,856,116	\$48,882,429
092 Educational Services (except Universities)	\$0	\$5,401,186	\$22,776,098	\$28,177,284
093 Health Care Services (except Hospitals) and Social Assistance	\$0	\$16,410,206	\$168,697,769	\$185,107,975
094 Arts, Entertainment and Recreation	\$0	\$26,640,432	\$101,506,569	\$128,147,001
095 Outfitters, accommodation and food services (NAICS 7200)	\$0	\$123,619,743	\$406,212,718	\$529,832,461
096 Repair and Maintenance	\$0	\$274,204,352	\$93,615,846	\$367,820,198
097 Personal and Laundry Services and Private Households	\$0	\$5,639,489	\$76,491,803	\$82,131,292
098 Grant-Making, Civic, and Professional and Similar Organizations	0\$	\$10,858,446	\$12,872,705	\$23,731,151
099 Operating Supplies	0\$	\$3,385,061,184	\$78,025,542	\$3,463,086,726
	\$0	\$118,827,778	\$28,215,836	\$147,043,615
101 Cafeteria Supplies	\$0	\$10,312,829	\$9,272,313	\$19,585,142
102 Laboratory Supplies	\$0	\$35,502,891	\$5,702,400	\$41,205,291
103 Travel and Entertainment	0\$	\$273,938,436	\$88,640,460	\$362,578,896
104 Advertising and Promotion	0\$	\$186,508,974	\$92,312,676	\$278,821,651
105 Transportation Margins	\$0	\$187,989,794	\$40,678,289	\$228,668,083
106 Religious & Welfare Organizations	\$0	\$14,624	\$93,477,614	\$93,492,238
107 Non-Profit Sports and Recreation Clubs	0\$	\$496,647	\$17,188,280	\$17,684,927
108 Non-Profit Education Institutions	\$0	\$2,277,056	\$20,515,899	\$22,792,955
109 Other Non-Profit Institutions Serving Households	0\$	\$8,984,711	\$83,548,230	\$92,532,941
	0\$	\$25,375,410	\$22,375,178	\$47,750,588
111 Government Residential Care Facilities	0\$	\$635,984	\$6,769,204	\$7,405,188

Labrador
H.
Industry i
Mining
Ore
of Iron
Analysis of I
Impact
Economic Imp

Industry	Scenario 2 Direct Sales by Industry in NL From Capex & Opex	Scenario 2 Indirect Sales by Industry in NL From Capex & Opex	Scenario 2 Induced Sales by Industry in NL From Capex & Opex	Scenario 2 Total Sales by Industry in NL From Capex & Opex
112 Universities	0\$	\$35,967,662	\$39,428,231	\$75,395,892
113 Government Education Services	0\$	\$16,012,037	\$22,191,609	\$38,203,647
114 Other Municipal Government Services	0\$	\$55,094,972	\$73,762,310	\$128,857,282
115 Other Provincial and Territorial Government Services	0\$	\$74,333,599	\$30,418,841	\$104,752,440
116 Other Federal Government Services	0\$	\$72,247,352	\$27,501,211	\$99,748,563
117 Households	0\$	\$0	\$12,151,657,581	\$12,151,657,581
Total	\$39,871,000,000	\$23,575,000,000	\$19,033,000,000	\$82,479,000,000

3
nario
Scer
ı
ales
Ö
trv
gnp
Ě
ter-I
L
A4:
endix
App

Append	endix A4: inter-industry sales – scenario	sales – Scellario S		
Industry	Scenario 3 Direct Sales by Industry in NL	Scenario 3 Indirect Sales by Industry in	Scenario 3 Induced Sales by Industry in	Scenario 3 Total Sales by Industry in
	From Capex & Opex	From Capex & Opex	From Capex & Opex	From Capex & Opex
001 Crop and Animal Production	0\$	\$26,700,361	\$66,403,137	\$93,103,498
002 Forestry and Logging	\$0	\$45,550,589	\$46,419,979	\$91,970,568
003 Fishing, Hunting and Trapping	\$0	\$1,499,063	\$13,733,445	\$15,232,509
004 Support Activities for Agriculture and Forestry	\$0	\$4,823,976	\$8,142,604	\$12,966,580
005 Oil and Gas Extraction	\$0	\$91,648,647	\$9,200,914	\$100,849,561
006 Coal Mining	\$0	\$10,409,794	\$1,371,675	\$11,781,468
007 Metal Ore Mining	\$46,418,000,000	\$82,954,755	\$4,164,355	\$46,505,119,110
008 Non-Metallic Mineral Mining and Quarrying	\$0	\$1,723,091,084	\$5,084,799	\$1,728,175,883
009 Support Activities for Mining and Oil and Gas Extraction	\$0	\$2,999,109,721	\$2,806,680	\$3,001,916,401
010 Electric Power Generation, Transmission and Distribution	\$0	\$3,152,527,018	\$446,691,388	\$3,599,218,406
011 Natural Gas Distribution, Water, Sewage and Other Systems	\$0	\$13,611,543	\$9,788,594	\$23,400,137
012 Residential Building Construction	\$0	\$2,016	\$1,249	\$3,265
013 Non-residential Building Construction	\$0	\$2,016	\$1,249	\$3,265
014 Transportation Engineering Construction	\$0	\$2,016	\$1,249	\$3,265
015 Oil and Gas Engineering Construction	\$0	\$2,016	\$1,249	\$3,265
016 Electric Power Engineering Construction	\$0	\$2,016	\$1,249	\$3,265
017 Communication Engineering Construction	0\$	\$2,016	\$1,249	\$3,265
018 Other Engineering Construction	\$15,583,000,000	\$2,016	\$1,249	\$15,583,003,265
019 Repair Construction	0\$	\$1,147,453,967	\$265,139,090	\$1,412,593,058
020 Other Activities of the Construction Industry	0\$	\$294,217,302	\$8,483,697	\$302,700,999
021 Animal Food Manufacturing	0\$	\$10,327,145	\$7,116,012	\$17,443,157
022 Sugar and Confectionery Product Manufacturing	\$0	\$4,323,131	\$2,344,633	\$6,667,764
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0\$	\$15,092,451	\$9,723,173	\$24,815,623
024 Dairy Product Manufacturing	0\$	\$22,132,780	\$39,649,373	\$61,782,153
025 Meat Product Manufacturing	0\$	\$25,546,748	\$53,720,027	\$79,266,775
026 Seafood Product Preparation and Packaging	\$0	\$4,559,340	\$25,936,071	\$30,495,410
027 Miscellaneous Food Manufacturing	0\$	\$72,602,500	\$55,251,926	\$127,854,426

īdo.
abra
_
.≒
Industry
Mining
Ore
is of Iron Ore
Analysis
Economic Impact Analysi

Industry	Scenario 3 Direct Sales by Industry in NL From Capex & Opex	Scenario 3 Indirect Sales by Industry in NL From Capex & Opex	Scenario 3 Induced Sales by Industry in NL From Capex & Opex	Scenario 3 Total Sales by Industry in NL From Capex & Opex
028 Beverage Manufacturing	0\$	\$34,915,038	\$118,568,590	\$153,483,628
029 Tobacco Manufacturing	0\$	\$15,285,550	\$1,090,731	\$16,376,281
030 Textile and Textile Product Mills	0\$	\$24,586,174	\$1,220,512	\$25,806,686
031 Clothing Manufacturing	0\$	\$3,650,642	\$728,122	\$4,378,764
032 Leather and Allied Product Manufacturing	0\$	\$1,512,829	\$1,466,975	\$2,979,804
	0\$	\$48,524,085	\$7,581,794	\$56,105,879
	0\$	\$15,467,699	\$2,832,853	\$18,300,552
035 Doors&Windows	\$0	\$7,622,858	\$1,203,936	\$8,826,794
036 Other Wood Product Manufacturing	0\$	\$24,364,301	\$4,262,942	\$28,627,242
037 Pulp, Paper and Paperboard Mills	0\$	\$44,429,404	\$5,334,424	\$49,763,828
038 Converted Paper Product Manufacturing	0\$	\$61,940,799	\$10,429,505	\$72,370,304
039 Printing and Related Support Activities	0\$	\$46,271,226	\$14,072,180	\$60,343,406
040 Petroleum and Coal Products Manufacturing	0\$	\$42,312,460	\$3,945,855	\$46,258,315
041 Basic Chemical Manufacturing	0\$	\$42,359,413	\$2,041,215	\$44,400,628
042 Resin, Synthetic Rubber, and Artificial and Synthetic Fibres and Filaments	0\$	\$11,566,023	\$1,252,209	\$12,818,232
043 Pesticides, Fertilizer and Other Agricultural Chemical Manufacturing	0\$	\$157,178,452	\$2,853,483	\$160,031,935
044 Pharmaceutical and Medicine Manufacturing	0\$	\$31,296,486	\$3,648,775	\$34,945,261
045 Miscellaneous Chemical Product Manufacturing	0\$	\$90,204,951	\$8,049,418	\$98,254,369
046 Plastic Product Manufacturing	0\$	\$846,510,544	\$12,565,291	\$859,075,835
047 Rubber Product Manufacturing	0\$	\$135,781,488	\$1,826,055	\$137,607,543
048 Cement and Concrete Product Manufacturing	0\$	\$574,424,254	\$9,648,389	\$584,072,643
049 Miscellaneous Non-Metallic Mineral Product Manufacturing	0\$	\$207,217,083	\$3,644,526	\$210,861,608
050 Primary Metal Manufacturing	0\$	\$150,101,896	\$7,573,680	\$157,675,575
051 Fabricated Metal Product Manufacturing	0\$	\$891,395,987	\$16,614,835	\$908,010,822
052 Machinery Manufacturing	0\$	\$451,672,339	\$13,652,638	\$465,324,977
053 Computer and Peripheral Equipment Manufacturing	0\$	\$3,167,602	\$193,787	\$3,361,389
054 Electronic Product Manufacturing	0\$	\$57,086,840	\$6,871,184	\$63,958,024
055 Household Appliance Manufacturing	0\$	\$2,284,293	\$624,018	\$2,908,311

adc.
abr
_
Ë.
Industry
Mining
Ore
of Iron
Analysis
Economic Impact

Scenario 3 Direct Sales by Industry in NL From Capex & Opex

n Labrador
.=
Industry
Mining
Ore
of Iron
Analysis
nic Impact
Econon

THUMSELY	Direct Sales by Industry in NL From Capex & Opex	Indirect Sales by Industry in NL From Capex & Opex	Induced Sales by Industry in NL From Capex & Opex	Total Sales by Industry in NL From Capex & Opex
084 Owner-Occupied Dwellings	0\$	\$2,016	\$1,835,115,148	\$1,835,117,164
085 Rental and Leasing Services and Lessors of Non-Financial Intangible Assets	0\$	\$114,658,169	\$51,186,486	\$165,844,654
Oscionary Companies and Real Estate and Management of Companies	0\$	\$477,749,433	\$483,831,010	\$961,580,444
087 Legal, Accounting and Architectural, Engineering and Related Services	0\$	\$3,494,501,045	\$132,039,538	\$3,626,540,583
088 Advertising and Related Services	0\$	\$49,471,402	\$25,867,964	\$75,339,366
089 Computer Systems Design and Other Professional, Scientific and Technical	0\$	\$1,569,003,499	\$149,943,875	\$1,718,947,374
090 Administrative and Support Services	0\$	\$1,925,957,397	\$207,029,226	\$2,132,986,622
091 Waste Management and Remediation Services	\$0	\$28,668,497	\$51,106,854	\$79,775,351
092 Educational Services (except Universities)	0\$	\$9,162,352	\$36,541,387	\$45,703,739
093 Health Care Services (except Hospitals) and Social Assistance	\$0	\$27,610,841	\$270,636,871	\$298,247,713
094 Arts, Entertainment and Recreation	0\$	\$45,490,873	\$162,846,172	\$208,337,045
095 Outfitters, accommodation and food services (NAICS 7200)	\$0	\$209,463,446	\$651,637,204	\$861,100,651
096 Repair and Maintenance	0\$	\$481,180,792	\$150,186,872	\$631,367,664
097 Personal and Laundry Services and Private Households	0\$	990'998'6\$	\$122,717,920	\$132,083,985
098 Grant-Making, Civic, and Professional and Similar Organizations	0\$	\$18,600,794	\$20,642,250	\$39,243,044
	\$0	\$4,840,795,945	\$125,156,806	\$4,965,952,751
	0\$	\$205,522,603	\$45,263,008	\$250,785,611
	0\$	\$17,262,722	\$14,875,155	\$32,137,877
	0\$	\$62,160,967	\$9,147,909	\$71,308,876
103 Travel and Entertainment	\$0	\$463,584,549	\$142,197,706	\$605,782,255
104 Advertising and Promotion	0\$	\$310,569,298	\$148,087,493	\$458,656,791
	0\$	\$304,851,501	\$65,216,038	\$370,067,539
106 Religious & Welfare Organizations	0\$	\$25,382	\$149,970,430	\$149,995,812
107 Non-Profit Sports and Recreation Clubs	\$0	\$841,544	\$27,575,483	\$28,417,027
108 Non-Profit Education Institutions	0\$	\$3,814,057	\$32,914,835	\$36,728,892
109 Other Non-Profit Institutions Serving Households	0\$	\$15,220,541	\$134,030,165	\$149,250,706
	0\$	\$44,573,607	\$35,896,648	\$80,470,255
111 Government Residential Care Facilities	0\$	\$1,068,732	\$10,859,670	\$11,928,402

Labrador
III I
Industry
1ming
Ore N
ron
1S Of J
vnalysi
4
Impact
Economic
ฎั

Industry	Scenario 3 Direct Sales by Industry in NL From Capex & Opex	Scenario 3 Indirect Sales by Industry in NL From Capex & Opex	Scenario 3 Induced Sales by Industry in NL From Capex & Opex	Scenario 3 Total Sales by Industry in NL From Capex & Opex
112 Universities	0\$	\$62,325,996	\$63,256,768	\$125,582,764
113 Government Education Services	\$0	\$27,548,631	\$35,603,252	\$63,151,883
114 Other Municipal Government Services	\$0	\$92,652,651	\$118,336,018	\$210,988,669
115 Other Provincial and Territorial Government Services	\$0	\$124,292,203	\$48,795,249	\$173,087,452
116 Other Federal Government Services	\$0	\$122,877,856	\$44,115,614	\$166,993,470
117 Households	\$0	0\$	\$19,171,348,596	\$19,171,348,596
Total	\$62,001,000,000	\$38,697,000,000	\$30,210,000,000	\$130,908,000,000

Appendix B Inter-Industry Employment by Scenario and Industry

Case
Base (
-1
vment
9
Eml
trv]
snp
-In
iter-]
二
ä
◀
pendix
en
Apr
~

Appendi	Appendix A1: Inter-Industry Employment – Base Case	npioyment – base Case			
Industry	Base Case Direct Employment by Industry in NL From Capex & Opex	Base Case Indirect Employment by Industry in NL From Capex & Opex	Base Case Induced Employment by Industry in NL From Capex & Opex	Base Case Total Employment by Industry in NL From Capex & Opex	
001 Crop and Animal Production	0	49	272	321	
002 Forestry and Logging	0	39	83	122	
003 Fishing, Hunting and Trapping	0	1	24	25	
004 Support Activities for Agriculture and Forestry	0	9	23	29	
005 Oil and Gas Extraction	0	15	3	18	
006 Coal Mining	0	7	1	8	
007 Metal Ore Mining	54,979	20	2	55,001	_(
008 Non-Metallic Mineral Mining and Quarrying	0	2,037	16	2,053	
009 Support Activities for Mining and Oil and Gas Extraction	0	4,234	10	4,244	
010 Electric Power Generation, Transmission and Distribution	0	1,996	472	2,468	
011 Natural Gas Distribution, Water, Sewage and Other Systems	0	8	14	22	
012 Residential Building Construction	0	0	0	0	hib
013 Non-residential Building Construction	0	0	0	0	
014 Transportation Engineering Construction	0	0	0	0	
015 Oil and Gas Engineering Construction	0	0	0	0	
016 Electric Power Engineering Construction	0	0	0	0	
017 Communication Engineering Construction	0	0	0	0	
018 Other Engineering Construction	7,008	0	0	7,008	
019 Repair Construction	0	2,575	729	3,304	
020 Other Activities of the Construction Industry	0	135	10	146	
021 Animal Food Manufacturing	0	4	9	10	
022 Sugar and Confectionery Product Manufacturing	0	2	2	3	
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0	12	18	31	.1
024 Dairy Product Manufacturing	0	8	36	44	
025 Meat Product Manufacturing	0	15	74	88	aç
026 Seafood Product Preparation and Packaging	0	9	79	85	
027 Miscellaneous Food Manufacturing	0	179	325	503	<u>57</u>

Labrado
н.
Industry
Mining
Ore
is of Iron C
Analysis
conomic Impact
П

	35	35	35	0 35									0	
	35	35	35									0	0	0
	3		(, ,	•	•
	0	0	s 0							0	0	0	0	
	142	142	142	0 142						0	0	0	0	0
	47	47	47	0 47										
	30	30	30	0 30										
	50	50	50	0 50							0	0	0	
	29	29	29	0 29							0	0	0	
	59	59	59	0 59						0	0	0	0	
	29	67	29	0 0										
	4	4	4	0						0	0	0	0	
	10	10	10	0 10			0	0	0	0	0	0	0	0
7 7 25	4				4	4	0 4	0 4	0 4	0 4	0 4	0 4	0 4	4
7 25					74	74	74	0 74	0 74	0 74	0 74	0 74	0 74	74
, 25				7.	7.	7.	7.							
25	25 7				25	25	25	25	25	0 25	0 25	0 25	0 25	25
		209			209	209	209	209	209	0 209	0 209	0 209	0 209	209
30					786	786	786	786	786	0 786	0 786	0 786	0 786	0 786
OC V				00, 7	00, 7	00, 7	00, 7	00, 7	00, 7	00, 7	00, 7			
4		124			124	124	124	124	124	124	124	0 124	0 124	124
26	2	2	2	332	332	332	332	332	332	0 332	0 332	0 332	0 332	0 332
	332	332	225											
	-							0		0	0	0	0	
	90	106	198							0			D .	D .
	196	196	196					•			•		_	
	196	196	196											
	196	196	196						C	C				
	196 54	196	196					0	0	0	0	0	0	0
	196 54	196	196					0	0	0	0	0	0	0
	196 54 909	54	196 54 909					0 0	0 0	0 0	0	0 0	0 0	0 0
	196 54 909	196 54 909	196 54 909					0 0	0 0	0	0	0 0	0 0	ufacturing 0 5
	196 54 909	196 54 909	196 54 909					0 0	0 0	0	0	0 0	0 0	0 0
	196	196	196											
st c	33.	12,	12.					0 0 0	0 0 0	0 0 Aanufacturing 0	0 0 0 Annufacturing 0	0 0 Aanufacturing 0	0 0 Aanufacturing 0	0 0 0

Labrador
Ξ.
Industry
Mining
Ore
of Iron
Analysis o
Impact /
Economic]

Industry	Base Case Direct Employment by Industry in NL From Capex & Opex	Base Case Indirect Employment by Industry in NL From Capex & Opex	Base Case Induced Employment by Industry in NL From Capex & Opex	Base Case Total Employment by Industry in NL From Capex & Opex
056 Electrical Equipment and Component Manufacturing	0	22	5	27
057 Motor Vehicle Manufacturing	0	50	4	54
058 Motor Vehicle Body and Trailer Manufacturing	0	140	5	145
059 Motor Vehicle Parts Manufacturing	0	2,517	62	2,579
060 Aerospace Product and Parts Manufacturing	0	15	3	18
061 Railroad Rolling Stock Manufacturing	0	1	0	1
062 Ship and Boat Building	0	9	28	34
063 Other Transportation Equipment Manufacturing	0	20	21	41
064 Furniture and Related Product Manufacturing	0	45	21	99
065 Miscellaneous Manufacturing	0	31	14	45 45
066 Wholesale Trade	0	1,983	869	2,853
067 Retail Trade	0	5,713	15,226	20,939
068 Air Transportation	0	26	52	nib «
069 Rail Transportation	0	27	18	45
070 Water Transportation	0	4	9	11
071 Truck Transportation	0	733	412	1,144
072 Transit and Ground Passenger Transportation	0	76	359	432
073 Pipeline Transportation	0	1	1	2
074 Scenic and Sightseeing Transportation and Support Activities for	0	283	115	399
075 Postal Service and Couriers and Messengers	0	519	645	1,164
076 Warehousing and Storage	0	36	27	63
077 Publishing Industries, Information Services and Data Processing Services	0	206	175	381
078 Motion Picture and Sound Recording Industries	0	36	88	125
079 Radio and Television Broadcasting	0	30	126	156
080 Pay TV, Specialty TV and Program Distribution and Telecommunications	0	550	1,262	1,812
081 Monetary Authorities and Depository Credit Intermediation	0	104	208	312 S
082 Insurance Carriers	0	47	253	300
083 Lessors of Real Estate	0	141	536	59 <i>LL</i> 9

Labrador
Ξ.
Industry
Mining
Ore
of Iron
Analysis o
Impact /
Economic]

by ex	0	371	1,894	7,705	249	3,827	7,752	329	398	2,525	915	6,166 X	4,078 Jip	1,850	215	000)69 °	<u>)</u>	0	0	0	0	1,432	184	200	ac 281,1	e 082	6
Base Case Total Employment by Industry in NL From Capex & Opex																												
Base Case Induced Employment by Industry in NL From Capex & Opex	0	184	1,306	642	133	718	1,572	265	358	2,410	815	5,394	1,758	1,788	155	0	0	0	0	0	0	0	1,432	182	190	1,125	185	
Base Case Indirect Employment by Industry in NL From Capex & Opex	0	187	589	690'2	116	3,109	6,181	64	07	114	100	772	2,319	62	61	0	0	0	0	0	0	0	0	2	10	25	95	
Base Case Direct Employment by Industry in NL From Capex & Opex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Industry	084 Owner-Occupied Dwellings	085 Rental and Leasing Services and Lessors of Non-Financial Intangible Assets	Oscionation of Companies and Real Estate and Management of Companies	087 Legal, Accounting and Architectural, Engineering and Related Services	088 Advertising and Related Services	089 Computer Systems Design and Other Professional, Scientific and Technical	090 Administrative and Support Services	091 Waste Management and Remediation Services	092 Educational Services (except Universities)	093 Health Care Services (except Hospitals) and Social Assistance	094 Arts, Entertainment and Recreation	095 Outfitters, accommodation and food services (NAICS 7200)	096 Repair and Maintenance	097 Personal and Laundry Services and Private Households	098 Grant-Making, Civic, and Professional and Similar Organizations	099 Operating Supplies	100 Office Supplies	101 Cafeteria Supplies	102 Laboratory Supplies	103 Travel and Entertainment	104 Advertising and Promotion	105 Transportation Margins	106 Religious & Welfare Organizations	107 Non-Profit Sports and Recreation Clubs	108 Non-Profit Education Institutions	109 Other Non-Profit Institutions Serving Households	110 Hospitals	

Industry	Base Case Direct Employment by Industry in NL From Capex & Opex	Base Case Indirect Employment by Industry in NL From Capex & Opex	Base Case Induced Employment by Industry in NL From Capex & Opex	Base Case Total Employment by Industry in NL From Capex & Opex
112 Universities	0	121	284	405
113 Government Education Services	0	73	217	289
114 Other Municipal Government Services	0	187	552	739
115 Other Provincial and Territorial Government Services	0	159	132	290
116 Other Federal Government Services	0	178	141	319
117 Households	0	0	0	0
Total	61,987	50,355	45,320	157,662
				•

_
<u>.</u> 2
nar
Sce
I
ment
$\overline{\mathbf{x}}$
7
Ξ
Ξ
trv
lus
Inc
٠.'
nter
In
3
B 2
dix
en
ac
A

mudde	Appendia B2: med-madady Employment – Secuand	aproyment – ecemano i		
Industry	Scenario 1 Direct Employment by Industry in NL From Capex & Opex	Scenario 1 Indirect Employment by Industry in NL From Capex & Opex	Scenario 1 Induced Employment by Industry in NL From Capex & Opex	Scenario 1 Total Employment by Industry in NL From Capex & Opex
001 Crop and Animal Production	0	78	405	484
002 Forestry and Logging	0	61	124	185
003 Fishing, Hunting and Trapping	0	2	36	38
004 Support Activities for Agriculture and Forestry	0	10	34	43
005 Oil and Gas Extraction	0	25	5	30
006 Coal Mining	0	10	2	12
007 Metal Ore Mining	80,415	31	3	80,449
008 Non-Metallic Mineral Mining and Quarrying	0	2,835	24	2,859
009 Support Activities for Mining and Oil and Gas Extraction	0	7,049	15	1F 890'2
010 Electric Power Generation, Transmission and Distribution	0	2,925	703	3,628
011 Natural Gas Distribution, Water, Sewage and Other Systems	0	13	21	34
012 Residential Building Construction	0	0	0	0
013 Non-residential Building Construction	0	0	0	0
014 Transportation Engineering Construction	0	0	0	P - (
015 Oil and Gas Engineering Construction	0	0	0	0
016 Electric Power Engineering Construction	0	0	0	0
017 Communication Engineering Construction	0	0	0	0
018 Other Engineering Construction	11,689	0	0	11,689
019 Repair Construction	0	3,517	1,084	4,601
020 Other Activities of the Construction Industry	0	193	15	208
021 Animal Food Manufacturing	0	9	6	15
022 Sugar and Confectionery Product Manufacturing	0	2	3	5
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0	20	28	48
024 Dairy Product Manufacturing	0	14	53	29
025 Meat Product Manufacturing	0	25	111	135 S
026 Seafood Product Preparation and Packaging	0	10	119	129
027 Miscellaneous Food Manufacturing	0	296	483	677
				Ī

in Labrado
Industry
re Mining
of Iron O
Analysis
c Impact
Economic

Industry	Scenario 1 Direct Employment by Industry in NL From Capex & Opex	Scenario 1 Indirect Employment by Industry in NL From Capex & Opex	Scenario 1 Induced Employment by Industry in NL From Capex & Opex	Scenario 1 Total Employment by Industry in NL From Capex & Opex
028 Beverage Manufacturing	0	36	258	293
029 Tobacco Manufacturing	0	12	2	14
030 Textile and Textile Product Mills	0	51	9	58
031 Clothing Manufacturing	0	5	2	7
032 Leather and Allied Product Manufacturing	0	1	1	2
033 Sawmills	0	221	65	286
034 Plywood	0	69	22	06
035 Doors&Windows	0	44	11	55
036 Other Wood Product Manufacturing	0	74	23	96
037 Pulp, Paper and Paperboard Mills	0	47	12	1 F 69
038 Converted Paper Product Manufacturing	0	90	36	125
039 Printing and Related Support Activities	0	108	71	971
040 Petroleum and Coal Products Manufacturing	0	9	1	7
041 Basic Chemical Manufacturing	0	16	2	18
042 Resin, Synthetic Rubber, and Artificial and Synthetic Fibres and Filaments	0	9	1	0 <u> </u>
043 Pesticides, Fertilizer and Other Agricultural Chemical Manufacturing	0	104	5	110
044 Pharmaceutical and Medicine Manufacturing	0	40	10	96.0s
045 Miscellaneous Chemical Product Manufacturing	0	286	37	322
046 Plastic Product Manufacturing	0	1,104	45	1,149
047 Rubber Product Manufacturing	0	175	7	182
048 Cement and Concrete Product Manufacturing	0	470	34	504
049 Miscellaneous Non-Metallic Mineral Product Manufacturing	0	275	14	288
050 Primary Metal Manufacturing	0	76	8	84
051 Fabricated Metal Product Manufacturing	0	1,267	29	1,334
052 Machinery Manufacturing	0	1,065	74	1,139
053 Computer and Peripheral Equipment Manufacturing	0	3	0	ag
054 Electronic Product Manufacturing	0	88	23	112
055 Household Appliance Manufacturing	0	3	2	63 S

Economic Impact Analysis of Iron Ore Mining Industry in La	abrador
conomic Impact Analysis of Iron Ore Mining Indu	in L
conomic Impact Analysis of Iron Ore Minin,	Industry i
conomic Impact Analysis of Iron (inin
conomic Impact Analysis of Iro	Ore
conomic Impact Analys	Iro
conomic]	
	conomic]

al Employment by Industry in NL om Capex & Opex	43	79	204	3,605	30	2	51	09	21N 86	1 F 89	4,273	31,432 X	150 ozi	it 69	16	1,703)69 (23	9 «	642	1,778	97	592	189	235	2,762	467 467
Total Employment by Industry in NL From Capex & Opex																										
Induced Employment by Industry in NL From Capex & Opex	7	9	8	92	5	0	42	31	32	21	1,294	22,646	79	27	10	614	534	1	172	096	40	261	133	188	1,878	309
Indirect Employment by Industry in NL From Capex & Opex	36	73	196	3,512	25	2	10	28	99	47	2,979	8,785	42	42	7	1,089	119	2	470	819	57	331	56	47	885	158
Scenario 1 Direct Employment by Industry in NL From Capex & Opex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industry	056 Electrical Equipment and Component Manufacturing	057 Motor Vehicle Manufacturing	058 Motor Vehicle Body and Trailer Manufacturing	059 Motor Vehicle Parts Manufacturing	060 Aerospace Product and Parts Manufacturing	061 Railroad Rolling Stock Manufacturing	062 Ship and Boat Building	063 Other Transportation Equipment Manufacturing	064 Furniture and Related Product Manufacturing	065 Miscellaneous Manufacturing	066 Wholesale Trade	067 Retail Trade	068 Air Transportation	069 Rail Transportation	070 Water Transportation	071 Truck Transportation	072 Transit and Ground Passenger Transportation	073 Pipeline Transportation	074 Scenic and Sightseeing Transportation and Support Activities for	075 Postal Service and Couriers and Messengers	076 Warehousing and Storage	077 Publishing Industries, Information Services and Data Processing Services	078 Motion Picture and Sound Recording Industries	079 Radio and Television Broadcasting	080 Pay TV, Specialty TV and Program Distribution and Telecommunications	081 Monetary Authorities and Depository Credit Intermediation

in Labrador	
Industry	
Mining)
on Ore	
s of Iror	
Analysi	,
Impact	
Economic	

Industry	Scenario 1 Direct Employment by Industry in NL From Capex & Opex	Scenario 1 Indirect Employment by Industry in NL From Capex & Opex	Scenario 1 Induced Employment by Industry in NL From Capex & Opex	Scenario 1 Total Employment by Industry in NL From Capex & Opex
084 Owner-Occupied Dwellings	0	0	0	0
085 Rental and Leasing Services and Lessors of Non-Financial Intangible Assets	0	287	274	562
086 Other Finance, Insurance and Real Estate and Management of Companies	0	897	1,943	2,840
087 Legal, Accounting and Architectural, Engineering and Related Services	0	11,379	955	12,334
088 Advertising and Related Services	0	181	197	378
089 Computer Systems Design and Other Professional, Scientific and Technical	0	5,166	1,068	6,234
090 Administrative and Support Services	0	10,230	2,337	12,567
091 Waste Management and Remediation Services	0	96	394	491
092 Educational Services (except Universities)	0	65	532	797
093 Health Care Services (except Hospitals) and Social Assistance	0	180	3,585	3,766
094 Arts, Entertainment and Recreation	0	159	1,213	1,372
095 Outfitters, accommodation and food services (NAICS 7200)	0	1,218	8,024	9,242
096 Repair and Maintenance	0	3,825	2,615	9ib 6,441
097 Personal and Laundry Services and Private Households	0	96	2,660	2,756
098 Grant-Making, Civic, and Professional and Similar Organizations	0	97	230	327
099 Operating Supplies	0	0	0	0
100 Office Supplies	0	0	0	0
101 Cafeteria Supplies	0	0	0	0
102 Laboratory Supplies	0	0	0	0
103 Travel and Entertainment	0	0	0	0
104 Advertising and Promotion	0	0	0	0
105 Transportation Margins	0	0	0	0
106 Religious & Welfare Organizations	0	0	2,130	2,130
107 Non-Profit Sports and Recreation Clubs	0	4	270	274
108 Non-Profit Education Institutions	0	16	283	299
109 Other Non-Profit Institutions Serving Households	0	06	1,673	1,763 <mark>80</mark>
110 Hospitals	0	159	275	434
111 Government Residential Care Facilities	0	9	114	071 150 65 150 071

or
ğ
Σ
ac
_
re Mining Industry in Labrador
5
ıst
ą
Ĕ
ad
Ξ
Ξ
7
re N
ĭ
_
\cup
\cup
\cup
\cup
ot Iron (
c Impact Analysis of Iron C
c Impact Analysis of Iron C
omic Impact Analysis of Iron C
omic Impact Analysis of Iron C
mic Impact Analysis of Iron C
onomic Impact Analysis of Iron C

Industry	Scenario 1 Direct Employment by Industry in NL From Capex & Opex	Scenario 1 Indirect Employment by Industry in NL From Capex & Opex	Scenario 1 Induced Employment by Industry in NL From Capex & Opex	Scenario 1 Total Employment by Industry in NL From Capex & Opex
112 Universities	0	194	422	616
113 Government Education Services	0	118	322	440
114 Other Municipal Government Services	0	284	821	1,105
115 Other Provincial and Territorial Government Services	0	250	196	445
116 Other Federal Government Services	0	285	210	495
117 Households	0	0	0	0
Total	92,104	78,325	67,419	237,848
				<u>ز</u>

(1
ario
- Scen
ovment -
Emple
Industry
Inter-I
B3:
ppendix
\triangleleft

Appendi	Appendix D3: Inter-maustry Empioyment – Scenario 4	ipioymem – Scenario <i>2</i>	,		ı
Industry	Scenario 2 Direct Employment by Industry in NL From Capex & Opex	Scenario 2 Indirect Employment by Industry in NL From Capex & Opex	Scenario 2 Induced Employment by Industry in NL From Capex & Opex	Scenario 2 Total Employment by Industry in NL From Capex & Opex	
001 Crop and Animal Production	0	120	536	929	
002 Forestry and Logging	0	91	164	255	ı
003 Fishing, Hunting and Trapping	0	3	48	51	ı
004 Support Activities for Agriculture and Forestry	0	15	45	09	
005 Oil and Gas Extraction	0	37	7	44	
006 Coal Mining	0	14	3	17	ı
007 Metal Ore Mining	98,648	48	4	98,700	
008 Non-Metallic Mineral Mining and Quarrying	0	6,025	32	6,058	
009 Support Activities for Mining and Oil and Gas Extraction	0	10,833	19	10,852	
010 Electric Power Generation, Transmission and Distribution	0	4,161	929	5,091	
011 Natural Gas Distribution, Water, Sewage and Other Systems	0	21	28	49	
012 Residential Building Construction	0	0	0	0	
013 Non-residential Building Construction	0	0	0	0	
014 Transportation Engineering Construction	0	0	0	0	P - (
015 Oil and Gas Engineering Construction	0	0	0	0	
016 Electric Power Engineering Construction	0	0	0	0	
017 Communication Engineering Construction	0	0	0	0	
018 Other Engineering Construction	20,114	0	0	20,114	1
019 Repair Construction	0	4,281	1,433	5,714	1
020 Other Activities of the Construction Industry	0	387	20	407	1
021 Animal Food Manufacturing	0	10	12	22	ı
022 Sugar and Confectionery Product Manufacturing	0	4	4	7	ı
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0	31	36	29	ı
024 Dairy Product Manufacturing	0	21	71	92	
025 Meat Product Manufacturing	0	38	146	184	aç
026 Seafood Product Preparation and Packaging	0	15	158	173	
027 Miscellaneous Food Manufacturing	0	451	638	1,089	67

								C		1FI	⊃ E	ΞxI	nib	it I	٥-ر	000)69	9							F	ag	je	68
Scenario 2 Total Employment by Industry in NL From Capex & Opex	395	21	105	6	2	404	124	74	133	87	200	262	10	28	10	221	74	409	2,339	370	1,105	277	126	2,588	1,831	9	167	7
Scenario 2 Induced Employment by Industry in NL From Capex & Opex	341	3	6	2	1	87	29	15	30	16	47	94	2	2	2	7	13	48	09	6	45	18	10	89	98	1	30	2
Scenario 2 Indirect Employment by Industry in NL From Capex & Opex	55	19	96	7	1	318	95	59	103	72	153	168	6	26	8	214	61	361	2,279	361	1,059	529	116	2,500	1,733	9	136	5
Scenario 2 Direct Employment by Industry in NL From Capex & Opex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industry	028 Beverage Manufacturing	029 Tobacco Manufacturing	030 Textile and Textile Product Mills	031 Clothing Manufacturing	032 Leather and Allied Product Manufacturing	033 Sawmills	034 Plywood	035 Doors&Windows	036 Other Wood Product Manufacturing	037 Pulp, Paper and Paperboard Mills	038 Converted Paper Product Manufacturing	039 Printing and Related Support Activities	040 Petroleum and Coal Products Manufacturing	041 Basic Chemical Manufacturing	042 Resin, Synthetic Rubber, and Artificial and Synthetic Fibres and Filaments	043 Pesticides, Fertilizer and Other Agricultural Chemical Manufacturing	044 Pharmaceutical and Medicine Manufacturing	045 Miscellaneous Chemical Product Manufacturing	046 Plastic Product Manufacturing	047 Rubber Product Manufacturing	048 Cement and Concrete Product Manufacturing	049 Miscellaneous Non-Metallic Mineral Product Manufacturing	050 Primary Metal Manufacturing	051 Fabricated Metal Product Manufacturing	052 Machinery Manufacturing	053 Computer and Peripheral Equipment Manufacturing	054 Electronic Product Manufacturing	055 Household Appliance Manufacturing

Labrador
Ξ.
Industry
Mining
Ore
of Iron
Analysis o
Impact /
Economic]

Industry	Scenario 2 Direct Employment by Industry in NL From Capex & Opex	Scenario 2 Indirect Employment by Industry in NL From Capex & Opex	Scenario 2 Induced Employment by Industry in NL From Capex & Opex	Scenario 2 Total Employment by Industry in NL From Capex & Opex
056 Electrical Equipment and Component Manufacturing	0	55	10	64
057 Motor Vehicle Manufacturing	0	140	8	148
058 Motor Vehicle Body and Trailer Manufacturing	0	408	10	418
059 Motor Vehicle Parts Manufacturing	0	7,373	122	7,495
060 Aerospace Product and Parts Manufacturing	0	39	9	45
061 Railroad Rolling Stock Manufacturing	0	3	0	8
062 Ship and Boat Building	0	15	55	70
063 Other Transportation Equipment Manufacturing	0	57	41	86
064 Furniture and Related Product Manufacturing	0	92	42	134
065 Miscellaneous Manufacturing	0	73	28	1E 701
066 Wholesale Trade	0	4,381	1,711	6,092
067 Retail Trade	0	13,577	29,927	43,504
068 Air Transportation	0	65	105	170
069 Rail Transportation	0	71	36	107
070 Water Transportation	0	12	13	25
071 Truck Transportation	0	1,834	813	2,647
072 Transit and Ground Passenger Transportation	0	186	202	892
073 Pipeline Transportation	0	2	1	4
074 Scenic and Sightseeing Transportation and Support Activities for	0	723	228	951
075 Postal Service and Couriers and Messengers	0	1,266	1,269	2,534
076 Warehousing and Storage	0	88	52	142
077 Publishing Industries, Information Services and Data Processing Services	0	511	344	856
078 Motion Picture and Sound Recording Industries	0	87	176	263
079 Radio and Television Broadcasting	0	73	249	321
080 Pay TV, Specialty TV and Program Distribution and Telecommunications	0	1,370	2,482	3,852
081 Monetary Authorities and Depository Credit Intermediation	0	256	409	a0 599
082 Insurance Carriers	0	111	497	e 809
083 Lessors of Real Estate	0	346	1,054	1,400

Labrador
Ξ.
Industry
Mining
Ore
of Iron
Analysis o
Impact /
Economic

T - 1	Labrador
	Ξ
T .	industry
	Mining
	e 5
C T	or Iron
	Analysis
1	c Impact
_	Economi

Industry	Scenario 2 Direct Employment by Industry in NL From Capex & Opex	Scenario 2 Indirect Employment by Industry in NL From Capex & Opex	Scenario 2 Induced Employment by Industry in NL From Capex & Opex	Scenario 2 Total Employment by Industry in NL From Capex & Opex
112 Universities	0	299	558	856
113 Government Education Services	0	180	426	909
114 Other Municipal Government Services	0	476	1,085	1,562
115 Other Provincial and Territorial Government Services	0	372	259	630
116 Other Federal Government Services	0	428	772	705
117 Households	0	0	0	0
Total	118,762	124,818	89,110	332,690

Appendix B4: Inter-Industry Employment - Scenario 3

or symmetry	tagasar Tagar J	Service Service Condition		
Industry	Scenario 3 Direct Employment by Industry in NL From Capex & Opex	Scenario 3 Indirect Employment by Industry in NL From Capex & Opex	Scenario 3 Induced Employment by Industry in NL From Capex & Opex	Scenario 3 Total Employment by Industry in NL From Capex & Opex
001 Crop and Animal Production	0	203	782	985
002 Forestry and Logging	0	152	239	391
003 Fishing, Hunting and Trapping	0	5	69	74
004 Support Activities for Agriculture and Forestry	0	25	65	06
005 Oil and Gas Extraction	0	63	10	73
006 Coal Mining	0	21	4	25
007 Metal Ore Mining	133,651	78	9	133,735
008 Non-Metallic Mineral Mining and Quarrying	0	10,290	47	10,337
009 Support Activities for Mining and Oil and Gas Extraction	0	19,322	28	19,350
010 Electric Power Generation, Transmission and Distribution	0	6,177	1,355	7,532
011 Natural Gas Distribution, Water, Sewage and Other Systems	0	98	40	<u>xh</u> ′′
012 Residential Building Construction	0	0	0	ibi o
013 Non-residential Building Construction	0	0	0	· P
014 Transportation Engineering Construction	0	0	0	<u>-0(</u>
015 Oil and Gas Engineering Construction	0	0	0	000
016 Electric Power Engineering Construction	0	0	0	69
017 Communication Engineering Construction	0	0	0	0
018 Other Engineering Construction	39,445	0	0	39,445
019 Repair Construction	0	5,843	2,091	7,934
020 Other Activities of the Construction Industry	0	099	29	689
021 Animal Food Manufacturing	0	16	17	34
022 Sugar and Confectionery Product Manufacturing	0	9	2	12
023 Fruit and Vegetable Preserving and Specialty Food Manufacturing	0	53	53	106
024 Dairy Product Manufacturing	0	37	103	140 Pe
025 Meat Product Manufacturing	0	99	213	3 3 672
026 Seafood Product Preparation and Packaging	0	26	230	7 522
				2

Economic Impact Analysis of Iron Ore Mining Industry in	Labrador
Impact Analysis of Iron Ore Mining Inc	Ξ.
Impact Analysis of Iron Ore Minin,	
Impact Analysis of Iron Or	Minin
Impact Analysis of	Ö
Impact Analysis	Ţ
Impact	Analysis
	Impact

ndustry	Scenario 3	Indirect Employment by	Induced Employment by	Total Employment by
Hudustry	Direct Employment by Industry in NL From Capex & Opex	Industry in NL From Capex & Opex	Industry in NL From Capex & Opex	Industry in NL From Capex & Opex
027 Miscellaneous Food Manufacturing	0	790	931	1,722
028 Beverage Manufacturing	0	95	497	592
029 Tobacco Manufacturing	0	88	4	37
030 Textile and Textile Product Mills	0	161	12	174
031 Clothing Manufacturing	0	11	4	15
032 Leather and Allied Product Manufacturing	0	1	2	4
	0	525	126	649
	0	148	42	189
	0	06	22	112
036 Other Wood Product Manufacturing	0	160	43	204
037 Pulp, Paper and Paperboard Mills	0	123	23	146
038 Converted Paper Product Manufacturing	0	597	69	332
039 Printing and Related Support Activities	0	291	137	428
040 Petroleum and Coal Products Manufacturing	0	15	2	17
041 Basic Chemical Manufacturing	0	42	3	45
042 Resin, Synthetic Rubber, and Artificial and Synthetic Fibres and Filaments	0	14	2	16
043 Pesticides, Fertilizer and Other Agricultural Chemical Manufacturing	0	358	10	368
044 Pharmaceutical and Medicine Manufacturing	0	105	19	124
045 Miscellaneous Chemical Product Manufacturing	0	512	71	583
046 Plastic Product Manufacturing	0	3,788	87	3,875
047 Rubber Product Manufacturing	0	603	13	616
048 Cement and Concrete Product Manufacturing	0	2,548	99	2,615
049 Miscellaneous Non-Metallic Mineral Product Manufacturing	0	962	26	886
050 Primary Metal Manufacturing	0	186	15	200
051 Fabricated Metal Product Manufacturing	0	4,494	130	4,623
052 Machinery Manufacturing	0	3,067	144	3,211
053 Computer and Peripheral Equipment Manufacturing	0	10	1	11

Labrador
Ξ.
Industry
Mining
Ore
of Iron
t Analysis
Economic Impact

0 237 0 8 0 8 0 96 0 237 0 681 0 681 0 681 0 681 0 7 0 7 0 1145 0 116 0 116 0 3,012 0 3,012 0 3,012 0 3,012 0 1,268 0 1,268 0 2,137 0 150 0 150 0 2,137 0 150 0 150 0 2,137 0 1445	Industry	Scenario 3 Direct Employment by Industry in NL From Capex & Opex	Scenario 3 Indirect Employment by Industry in NL From Capex & Opex	Scenario 3 Induced Employment by Industry in NL From Capex & Opex	Scenario 3 Total Employment by Industry in NL From Capex & Opex
0 8 0 96 0 96 0 237 0 681 0 681 0 68 0 26 0 36 0 113 0 6937 0 108 0 21,530 0 3,012 0 3,012 0 3,012 0 3,012 0 2,137 0 2,137 0 2,137 0 145 0 145 0 145 0 145 0 145 0 145 0 145 0 145 0 145	054 Electronic Product Manufacturing	0	237	44	281
0 96 0 237 0 681 0 681 0 681 0 681 0 25 0 145 0 6,937 0 1108 0 21,530 0 3,012 0 3,013 0 3,013 0 3,013 0 3,012 0 3,013 0 3,013 0 0 0 0 <	055 Household Appliance Manufacturing	0	8	3	11
0 237 0 681 0 681 0 68 0 68 0 26 0 95 0 145 0 12,530 0 21,530 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 4 0 2,137 0 150 0 150 0 150 0 145 0 122 0 122 0 122 0 122 0 122 0 122 0 123 0 124 0 12	056 Electrical Equipment and Component Manufacturing	0	96	14	109
0 681 0 12,276 0 68 0 68 0 5 0 26 0 145 0 6,937 0 1123 0 116 0 3012 0 316 0 316 0 315 0 315 0 315 0 321,58 0 1,268 0 2,137 0 2,137 0 150 0 1,268 0 1,268 0 1,268 0 1,268 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27	057 Motor Vehicle Manufacturing	0	237	11	248
0 12,276 0 68 0 68 0 26 0 145 0 123 0 123 0 6,937 0 116 0 3012 0 316 0 316 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27 0 1,27	058 Motor Vehicle Body and Trailer Manufacturing	0	681	15	969
0 68 0 5 0 5 0 26 0 145 0 123 0 6,937 0 108 0 116 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 3,012 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,268 0 1,20 0 1,20 0 1,20 0 1,20 0 1,20 0 1,20 0 1,20 0 1,20 0 1,20 0 1,20 0 1,20	059 Motor Vehicle Parts Manufacturing	0	12,276	178	12,454
0 5 0 26 0 95 0 145 0 123 0 6,937 0 108 0 116 0 3,012 0 3,012 0 1,268 0 1,268 0 1,268 0 1,268 0 1,208 0 1,208 0 1,22 0 1,22	060 Aerospace Product and Parts Manufacturing	0	89	6	77
0 26 0 145 0 123 0 123 0 6,937 0 108 0 116 0 3,012 0 3,012 0 3,012 0 3,12 0 3,12 0 3,12 0 3,12 0 3,12 0 1,268 0 150 0 150 0 150 0 150 0 145 0 145 0 122	061 Railroad Rolling Stock Manufacturing	0	5	0	6
0 95 145 145 0 123 0 6,937 0 21,530 0 108 0 16 0 3,012 0 3,012 0 3,16 0 3,16 0 3,15 0 3,15 0 3,15 0 3,15 0 3,15 0 3,13 0 2,137 0 150 0 150 0 150 0 145 0 145 0 122	062 Ship and Boat Building	0	26	08	107
0 145 0 6,937 0 21,530 0 21,530 0 116 0 136 0 3,012 0 3,012 0 4 0 4 0 2,137 0 1,268 0 2,137 0 150	063 Other Transportation Equipment Manufacturing	0	95	09	155
0 123 0 6,937 0 21,530 0 116 0 116 0 3,012 0 3,012 0 316 0 316 0 1,268 0 1,268 0 1,50 0	064 Furniture and Related Product Manufacturing	0	145	61	206
6,937 0 21,530 4 0 108 4 0 3,012 4 0 3,012 4 0 316 6 0 316 6 0 3,012 6 0 3,012 7 0 3,012 7 0 3,012 7 0 3,012 7 0 3,012 7 0 1,268 7 0 2,137 7 0 2,137 8 0 875 8 0 145 8 0 125 8 0 125 125	065 Miscellaneous Manufacturing	0	123	41	164
4 0 108 0 116 0 116 0 3,012 0 3,012 0 3,012 0 3,16 0 4 0 1,268 0 2,137 0 150 0 150 0 145 0 122	066 Wholesale Trade	0	6,937	2,496	9,434
0 108 0 116 0 19 0 3,012 0 316 0 4 0 1,268 0 2,137 0 150 0 <td>067 Retail Trade</td> <td>0</td> <td>21,530</td> <td>43,675</td> <td>65,205</td>	067 Retail Trade	0	21,530	43,675	65,205
116 0 19 0 3,012 0 3,012 0 4 0 4 0 1,268 0 2,137 0 150 0 150 0 145 0 145 0 122	068 Air Transportation	0	108	153	261
0 3,012 0 3,012 0 3.6 0 4 0 1,268 0 2,137 0 875 0 150 0 875 0 145 0 122	069 Rail Transportation	0	116	53	169
0 3,012 0 316 0 4 0 1,268 0 2,137 0 150 0 150 0 145 0 145 0 122	070 Water Transportation	0	19	19	38
0 316 1,1 0 4 4 0 1,268 1,268 0 2,137 1,1 0 150 150 0 875 1,2 0 145 1,2 0 1,25 1,2	071 Truck Transportation	0	3,012	1,186	4,199
0 1,268 0 2,137 1,000 0 875 0 875 0 145	072 Transit and Ground Passenger Transportation	0	316	1,031	1,346
0 1,268 0 2,137 1, 0 0 150 0 875 0 145	073 Pipeline Transportation	0	4	2	6
1, 2,137 1, 2, 1	074 Scenic and Sightseeing Transportation and Support Activities for	0	1,268	332	1,600
0 150 0 875 0 145 0 122	075 Postal Service and Couriers and Messengers	0	2,137	1,851	3,988
0 875 0 145 0 122	076 Warehousing and Storage	0	150	92	227
0 145	077 Publishing Industries, Information Services and Data Processing Services	0	875	503	1,378
0 122	078 Motion Picture and Sound Recording Industries	0	145	256	401
	079 Radio and Television Broadcasting	0	122	363	485
0 2,356	080 Pay TV, Specialty TV and Program Distribution and Telecommunications	0	2,356	3,622	5,978

Economic Impact Analysis of Iron Ore Mining Industry in	Labrado
conomic Impact Analysis of Iron Ore Mining Ind	Ξ.
conomic Impact Analysis of Iron Ore Minin,	Industry
conomic Impact Analysis of Iron Or	Ainin
conomic Impact Analysis of Ir	₽.
conomic Impact Analy	Ŀ
conomic Impact	Analy
_	conomic Impact

Continue to proposition of coeff intermediation Coeff intermedia	Industry	Scenario 3 Direct Employment by Industry in NL From Capex & Opex	Scenario 3 Indirect Employment by Industry in NL From Capex & Opex	Scenario 3 Induced Employment by Industry in NL From Capex & Opex	Scenario 3 Total Employment by Industry in NL From Capex & Opex
of Mont-Financial Intamiglier Assetts 0 1,538 2,127 of Non-Financial Intamiglier Assetts 0 590 1,538 2,129 inventigation Assetts 0 7,000 0 0 0 0 inventigation Management of Companies 0 7,389 3,447 6,1326 6,1326 gineering and Related Services 0 31,489 1,842 6,1326 of cested Management of Companies 0 31,489 1,842 6,1326 of cested Management of Companies 0 4,70 8,21 6,1326 of cested Management of Companies 0 1,3922 2,166 1,582 of cested Management of Companies 0 4,50 1,582 1,582 of cested Management of Companies and Penales 0 3,13 1,036 1,036 of Schall Assistance 0 0 3,21 1,042 1,042 of Schall Assistance 0 0 2,33 1,042 1,042 of Schall Assistance 0 0 0	081 Monetary Authorities and Depository Credit Intermediation	0	423	596	1,019
of Non-Financial Intangible Assets 0 950 1,538 2,127 of Mondagement of Companies 0 7,66 52 1,295 gineering and Related Services 0 3,348 3,747 1,295 gineering and Related Services 0 3,348 3,518 1,295 of sectional Scientific and Technical 0 3,1489 3,518 1,295 of section Section Scientific and Technical 0 3,1489 3,518 1,525 envices 0 13,249 2,660 1,538 envices 0 4,508 3,138 1,138 envices 0 4,50 1,138 1,138 envices 0 4,22 6,916 1,138 order (MACS 7200) 0 0 1,437 1,439 teck (MACS 7200) 0 0 0 0 defeated Services 0 0 0 0 envices 0 0 0 0 envices 0	082 Insurance Carriers	0	183	725	806
of Non-Flandslible Assets 0 0 0 1,295 e and Management of Companies 0 3,349 5,29 1,295 gineering and Related Services 0 3,349 3,634 6,316 offessional, Scientific and Technical 0 33,489 3,833 8,333 offessional, Scientific and Technical 0 33,225 2,060 15,982 envices 0 27,061 4,508 3,1589 services 0 0 1,1026 3,179 herbices 0 0 2,249 2,514 herbices 0 0 0 0 d Smilar Organizations 0 0 0 0 d Smilar Organizations 0 0 0 0 d Smilar Organizations 0 0	083 Lessors of Real Estate	0	590	1,538	2,127
of Non-Financial Intalgible Assets p 766 5236 1,295 e and Management of Companies e and Management of Companies 2,389 3,373 6,138 pineering and Related Services 0 3148 3,321 3333 designal, Scientific and Technical 0 13,922 2,686 15,982 envices 0 276 4508 31,589 envices 0 276 4508 31,589 envices 0 276 4508 31,589 envices 0 276 1,026 31,589 envices 0 276 1,1026 31,589 envices 0 0 0 1,1036 sond Assistance 0 0 0 1,1036 envices 0 0 0 1,204 envices 0 0 0 0 of Smilar Organizations 0 0 0 0 of Smilar Organizations 0 0 0	084 Owner-Occupied Dwellings	0	0	0	0
a problem of Companies 0 3,389 3,343 6,138 gineering and Melated Services 0 31,489 1,842 33,331 desting defined Services 0 40 38 33,331 desting definition and Technical State of Exercises 0 13,922 20 15,828 envices 0 27,081 4,026 1,135 envices 0 27,081 1,135 s control 0 450 1,135 and Social Assistance 0 422 2,133 and Social Assistance 0 2,125 1,135 and Social Assistance 0 4,137 1,135 and Social Assistance 0 2,126 2,126 and Social Assistance 0 2,212 2,127 and Social Assistance 0 2,212 2,123 and Social Assistance 0 0 0 and Social Assistance 0 0 0 and Social Assistance 0 0 0 <td>085 Rental and Leasing Services and Lessors of Non-Financial Intangible Assets</td> <td>0</td> <td>992</td> <td>529</td> <td>1,295</td>	085 Rental and Leasing Services and Lessors of Non-Financial Intangible Assets	0	992	529	1,295
gip desiring and Related Services 31,489 1,842 33.33 ofessional Scientific and Technical Services 470 430 85.3 ofessional Scientific and Technical Scientific and Scientific and Scientific and Technical Scientific and Sc	086 Other Finance, Insurance and Real Estate and Management of Companies	0	2,389	3,747	6,136
ofessional, Scientific and Technical Scientific	087 Legal, Accounting and Architectural, Engineering and Related Services	0	31,489	1,842	33,331
ofessional, Scientific and Technical 0 13,922 2,060 15,892 ervices 27,081 4,508 31,589 ervices 0 27,6 1,026 1,136 sil 1,667 1,026 1,136 1,136 and Social Assistance 0 456 5,339 2,761 and Social Assistance 0 3,212 1,5475 1,136 revices (NALCS 7200) 0 3,212 15,475 1,8687 revices (NALCS 7200) 0 3,212 15,475 1,8687 revices (NALCS 7200) 0 3,212 5,044 15,479 revices (NALCS 7200) 0 0 0 0 revices (NALCS 7200) 0 0 0	088 Advertising and Related Services	0	470	381	851
ervices betweet betweet betweet by the social Assistance by the boundaries of the boundaries (Autores (NAICS 7200) by the Households by th	089 Computer Systems Design and Other Professional, Scientific and Technical	0	13,922	2,060	
sylices 276 761 1,036 sylices sylices 1,026 1,026 1,192 and Social Assistance 0 456 6,916 7,371 vices (NAICS 7200) 422 2,339 2,751 vices (NAICS 7200) 3,212 15,475 18,687 vices (NAICS 7200) 3,212 1,0435 2,739 2,751 vices (NAICS 7200) 0 10,435 5,129 2,751 at Households 0 2,33 2,129 2,751 at Households 0 2,33 2,129 2,747 at Households 0 2,53 2,129 2,136 at Households 0 0 0 0 0 at Households 0 0 0 0 0 0 at Households 0 0 0 0 0 0 0 at Households 0 0 0 0 0 0 0 at Hou	090 Administrative and Support Services	0	27,081	4,508	
s) 1,026 1,026 1,192 and Social Assistance 0 456 6,916 7,371 vices (NAICS 7200) 0 3,212 2,339 2,751 vices (NAICS 7200) 0 3,212 15,475 18,687 vices (NAICS 7200) 0 10,435 5,129 18,687 at the Households 0 5,129 15,479 by at the Households 0 0 5,129 15,479 conditional companizations 0 0 0 0 d Similar Organizations 0 0 0 0 0 d Similar Organizations 0 0 0 0 0 0 0 d Supplemental company 0 0 0 0 0 0 0 0	091 Waste Management and Remediation Services	0	276	761	
and Social Assistance 456 456 6,916 7,371 vices (NAICS 7200) 422 2,339 2,761 vices (NAICS 7200) 3,212 15,475 18,687 vices (NAICS 7200) 3,212 15,475 18,687 vices (NAICS 7200) 253 2,129 18,687 problem of the Households 253 2,129 18,687 problem of the Households 253 2,129 2,542 problem of the Households 253 2,129 2,543 problem of the Households 252 2,129 2,731 problem of the Households 252 2,129 2,124 problem of the Households 252 2,124 2,127 problem of the Households 251 2,124 2,127 problem of the Households 251 2,124 2,124 problem of the Households 251 2,124 2,124 problem of the Households 2,124 2,124 2,124 problem of the Households 2,124 2,124 <t< td=""><td>092 Educational Services (except Universities)</td><td>0</td><td>166</td><td>1,026</td><td></td></t<>	092 Educational Services (except Universities)	0	166	1,026	
vices (NAICS 7200) 422 2.339 2.761 tite Households 3.212 15,475 18,687 tite Households 0 10,435 5,044 15,479 nd Similar Organizations 0 253 444 702 nd Similar Organizations 0 0 5,324 72 nd Similar Organizations 0 0 0 0 nd Similar Organizations 0 0 0 0 0 nd Similar Organizations 0 0 0 0 0 0 nd Similar Organizations 0 0 0 0 0 0 0 nd S	093 Health Care Services (except Hospitals) and Social Assistance	0	456	6,916	
vices (NAICS 7200) 3,212 15,475 18,687 ate Households 0 10,435 5,044 15,479 ate Households 0 10,435 5,044 15,479 ate Households 0 5,129 5,382 ate Households 0 6 5,329 ate Households 0 0 0	094 Arts, Entertainment and Recreation	0	422	2,339	
te Households 0 10,435 5,044 15,479 at Households 253 5,129 5,382 a Similar Organizations 0 444 702 a Similar Organizations 0 0 0 a Similar Organizations 0 0 0 0 a Similar Organizations 0 0 0 0 0 a Similar Organizations 0 0 0 0 0 0 a Similar Organizations 0 0 0 0 0	095 Outfitters, accommodation and food services (NAICS 7200)	0	3,212	15,475	
te Households 15,129 5,129 5,382 nd Similar Organizations 0 444 702 definitiar Organizations 0 0 0 definitiar Organizations 0 0 0 0 definitiar Organizations 0 0 0 0 0 definitiar Organizations 0 0 0 0 0 0 0 definitiar Organizations 0 0 0 0	096 Repair and Maintenance	0	10,435	5,044	
nd Similar Organizations 258 444 702 nd Similar Organizations 258 444 702 definition of the control of the co	097 Personal and Laundry Services and Private Households	0	253	5,129	
Mathematical Experiments Mathema	098 Grant-Making, Civic, and Professional and Similar Organizations	0	258	444	702
(2) (3) (4) <td>099 Operating Supplies</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	099 Operating Supplies	0	0	0	0
(1) (2) (3) (4) <td>100 Office Supplies</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	100 Office Supplies	0	0	0	0
0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 4,107 4,107 1 0 0 0 251	101 Cafeteria Supplies	0	0	0	0
0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 2 0 0 0 0 3 0 0 0 0 4 10 0 0 0 5 1 0 0 0	102 Laboratory Supplies	0	0	0	0
0 0 0 0 0 0 0 0 0 0 1 0 0 4,107 4,107 0 0 0 531 531	103 Travel and Entertainment	0	0	0	0
0 0 0 0 0 0 0 0 0 0 4,107 4,107 4,107 6 4,107 6 4,107 6 4,107 6 4,107 6 4,107 6 1,107 1,107 6	104 Advertising and Promotion	0	0	0	0
0 0 4,107 4,107 0 10 521 531	105 Transportation Margins	0	0	0	
0 10 521 531	106 Religious & Welfare Organizations	0	0	4,107	•
	107 Non-Profit Sports and Recreation Clubs	0	10	521	

								CI	171	-P	E	xhi	jbit P-00069
Scenario 3 Total Employment by Industry in NL From Capex & Opex	286	3,463	955	234	1,332	931	2,385	666	1,132	0		515,194	
Scenario 3 Induced Employment by Industry in NL From Capex & Opex	545	3,227	530	220	814	621	1,584	378	405	0		130,036	
Scenario 3 Indirect Employment by Industry in NL From Capex & Opex	41	237	425	14	518	310	801	621	728	0		212,062	
Scenario 3 Direct Employment by Industry in NL From Capex & Opex	0	0	0	0	0	0	0	0	0	0		173,096	
Industry	108 Non-Profit Education Institutions	109 Other Non-Profit Institutions Serving Households	110 Hospitals	111 Government Residential Care Facilities	112 Universities	113 Government Education Services	114 Other Municipal Government Services	115 Other Provincial and Territorial Government Services	116 Other Federal Government Services	117 Households		Total	

Appendix C Annual Summary

Appendix C1: Base Case

Table C1.1 – Annual Capital Expenditure Profile: Canada and Newfoundland	nual Capı	ıtal Expo	enditure	Profile	: Canac	ia and 🗅	ewtour	ıdland			
Capital											
Canada											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$1,347	\$1,467	\$1,596	\$1,645	\$1,646	\$1,643	\$1,646	\$1,645	\$1,645	\$1,645	\$1,646
Total Capex	\$901	\$924	\$332	\$299	\$301	\$303	\$300	\$300	\$301	\$306	\$302
Total	\$2,248	\$2,391	\$1,928	\$1,944	\$1,946	\$1,946	\$1,945	\$1,945	\$1,946	\$1,950	\$1,947
Newfoundland											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$288	\$695	\$767	\$763	\$263	\$762	\$763	\$762	\$763	\$763	\$763
Total Capex	\$452	\$484	\$135	\$122	\$123	\$124	\$122	\$123	\$123	\$125	\$123
Total	\$1,039	\$1,175	\$905	\$885	\$886	\$886	\$885	\$885	\$885	\$888	\$886

Capital												
Canada											Total	Average
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2011-2031	2011- 2031
Total Opex	\$1,641	\$1,451	\$1,451	\$1,451	\$1,451	\$1,451	\$1,451	\$1,451	\$1,451	\$1,451	\$32,265	\$1,536
Total Capex	\$298	\$286	\$286	\$286	\$286	\$286	\$286	\$286	\$286	\$286	\$7,441	\$354
Total	\$1,939	\$1,737	\$1,737	\$1,737	\$1,737	\$1,737	\$1,737	\$1,737	\$1,737	\$1,737	902'6E\$	\$1,891
Newfoundland												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Total Opex	\$761	\$676	\$676	\$676	\$676	\$676	\$676	\$676	\$676	\$676	\$14,992	\$714
Total Capex	\$121	\$117	\$117	\$117	\$117	\$117	\$117	\$117	\$117	\$117	\$3,227	\$154
Total	\$882	\$793	\$793	\$793	\$793	\$793	\$793	\$793	\$793	\$793	\$18,219	\$868

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

15.0 14.6 29.6 29.5 15.0 14.5 29.5 2019 15.0 14.5 Table C1.2 – Annual Production and Revenue (\$85/\$115, \$100/\$130, \$115/\$145) 15.0 14.5 29.5 15.0 29.6 2017 14.6 29.5 2016 15.0 14.5 15.0 14.6 29.6 2015 2014 15.0 14.5 29.5 15.0 13.0 28.0 2013 2012 13.0 10.7 23.7 17.4 2011 8.7 8.7 Production (MT) Concentrate Pellets Total Year

Total Revenue	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
\$85/\$115	\$2,857	\$2,403	\$2,833	\$2,961	\$2,963	\$2,957	\$2,963	\$2,960	\$2,960	\$2,961	\$2,963
\$100/\$130	\$2,857	\$2,758	\$3,253	\$3,404	\$3,407	\$3,400	\$3,406	\$3,403	\$3,404	\$3,404	\$3,406
\$115/\$145	\$2,857	\$3,113	\$3,674	\$3,847	\$3,850	\$3,842	\$3,850	\$3,846	\$3,847	\$3,847	\$3,850

Production (MT)												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Pellets	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	306.7	14.6
Concentrate	14.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	239.9	11.4
Total	29.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	546.6	26.0

Total	29.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	546.6	26.0
Total Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
\$85/\$115	\$2,951	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$56,779	\$2,704
\$100/\$130	\$3,392	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$64,716	\$3,082
\$115/\$145	\$3,834	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$72,654	\$3,460

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

2,748 1,735 6,646 323 422 1,016 3,019 2,485 2,157 2,163 271 7,670 2,162 6,644 274 426 1,026 3,021 2,488 2020 2,747 1,735 327 2,161 Table C1.3 - Annual Employment (Opex, Capex, Direct, Indirect, Induced) Newfoundland 7,658 2,162 322 2,747 1,735 6,643 271 422 3,018 2,484 2,156 1,015 270 7,655 2,161 1,734 6,643 321 420 1,012 2,482 2,155 2,747 3,017 270 320 419 3,018 7,655 2,748 2,163 1,735 6,646 1,009 2,483 2,155 2017 2016 2,746 2,160 1,733 6,639 272 324 423 3,018 2,484 2,157 7,658 1,019 7,659 2,748 2,163 1,735 270 421 3,019 2,484 2,156 6,647 1,012 321 2,162 1,735 6,644 269 320 419 3,017 2,154 2,747 1,008 2,481 2014 7,652 2,098 2,163 7,627 2,720 1,708 6,526 291 355 455 3,012 2,453 2013 1,101 9)206 1,928 1,606 1,448 3,390 3,538 2,915 3,054 2012 2,583 6,117 955 987 1,770 1,370 5,279 1,475 3,120 2,733 2,846 8,698 2,138 3,419 982 962 Indirect Capex Induced Capex Indirect Opex Induced Opex **Total Induced** Total Indirect Employment Direct Capex **Total Capex** Direct Opex **Total Direct** Total Opex Total

Employment												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Direct Opex	2,743	2,535	2,535	2,535	2,535	2,535	2,535	2,535	2,535	2,535	54,979	2,618
Indirect Opex	2,157	1,906	1,906	1,906	1,906	1,906	1,906	1,906	1,906	1,906	42,405	2,019
Induced Opex	1,732	1,580	1,580	1,580	1,580	1,580	1,580	1,580	1,580	1,580	34,511	1,643
Total Opex	6,632	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	6,021	131,896	6,281
Direct Capex	268	261	261	261	261	261	261	261	261	261	7,008	334
Indirect Capex	318	306	306	306	306	306	306	306	306	306	7,950	379
Induced Capex	417	405	405	405	405	405	405	405	405	405	10,809	515
Total Capex	1,003	971	971	971	971	971	971	971	971	971	25,767	1,227
Total Direct	3,012	2,796	2,796	2,796	2,796	2,796	2,796	2,796	2,796	2,796	61,987	2,952
Total Indirect	2,475	2,212	2,212	2,212	2,212	2,212	2,212	2,212	2,212	2,212	50,355	2,398
TotalInduced	2,149	1,984	1,984	1,984	1,984	1,984	1,984	1,984	1,984	1,984	45,320	2,158
Total	7,635	6,992	6,992	6,992	6,992	6,992	6,992	6,992	6,992	6,992	157,663	805'2

Table C1.4 – Annual Income (Opex, Capex, Direct, Indirect, Induced) Newfoundland	nal Inco	me (Opo	ex, Cape	ex, Dire	ct, Indi	rect, Inc	luced)	Newfou	ndland		
Income											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Direct Opex	\$332	\$405	\$426	\$430	\$431	\$430	\$431	\$430	\$430	\$430	\$431
Indirect Opex	\$146	\$159	\$173	\$178	\$178	\$178	\$178	\$178	\$178	\$178	\$178
Induced Opex	\$144	\$169	\$180	\$183	\$183	\$183	\$183	\$183	\$183	\$183	\$183
Total Opex	\$625	\$733	\$779	\$792	\$792	\$791	\$792	\$791	\$791	\$791	\$792
Direct Capex	\$419	\$408	\$124	\$115	\$115	\$116	\$115	\$115	\$116	\$117	\$116
Indirect Capex	\$85	\$8\$	\$31	\$28	\$29	\$29	\$28	\$29	\$29	\$29	\$29
Induced Capex	\$151	\$149	\$47	\$43	\$43	\$43	\$43	\$43	\$43	\$44	\$43
Total Capex	\$656	\$644	\$203	\$186	\$187	\$188	\$187	\$187	\$188	\$190	\$188
Total Direct	\$754	\$813	\$551	\$545	\$546	\$546	\$546	\$546	\$546	\$547	\$546
Total Indirect	\$232	\$247	\$205	\$207	\$207	\$207	\$207	\$207	\$207	\$207	\$207
Total Induced	\$296	\$318	\$227	\$226	\$226	\$226	\$226	\$226	\$226	\$226	\$226
Total	\$1,282	\$1,377	\$982	\$978	\$979	\$979	\$978	\$978	\$979	\$981	\$980

Income												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Direct Opex	\$430	\$397	\$397	\$397	\$397	\$397	\$397	\$397	\$397	\$397	\$8,614	\$410
Indirect Opex	\$178	\$157	\$157	\$157	\$157	\$157	\$157	\$157	\$157	\$157	\$3,499	\$167
Induced Opex	\$182	\$166	\$166	\$166	\$166	\$166	\$166	\$166	\$166	\$166	\$3,634	\$173
Total Opex	\$790	\$721	\$721	\$721	\$721	\$721	\$721	\$721	\$721	\$721	\$15,747	\$750
Direct Capex	\$115	\$111	\$111	\$111	\$111	\$111	\$111	\$111	\$111	\$111	\$2,994	\$143
Indirect Capex	\$28	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$706	\$34
Induced Capex	\$43	\$42	\$42	\$42	\$42	\$42	\$42	\$42	\$42	\$42	\$1,110	\$23
Total Capex	\$186	\$180	\$180	\$180	\$180	\$180	\$180	\$180	\$180	\$180	\$4,809	\$229
Total Direct	\$544	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$11,607	\$223
Total Indirect	\$206	\$184	\$184	\$184	\$184	\$184	\$184	\$184	\$184	\$184	\$4,205	\$200
Total Induced	\$225	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$4,744	\$226
Total	926\$	\$901	\$901	\$901	\$901	\$901	\$901	\$901	\$901	\$901	\$20,556	626\$

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C1.5 – Annual GDP Newfoundland Income and Production (\$85/\$115,\$100/\$130,\$115/\$145)	ual GDF	Newfo	undlano	l Incom	e and P	roduction	385) nc	/\$115,\$	100/\$13	30,\$115	(\$145)
GDP											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
GDP from Income											
Direct GDP	\$754	\$813	\$551	\$545	\$546	\$546	\$546	\$546	\$546	\$547	\$546
Indirect GDP	\$232	\$247	\$205	\$207	\$207	\$207	\$207	\$207	\$207	\$207	\$207
Induced GDP	\$296	\$318	\$227	\$226	\$226	\$226	\$226	\$226	\$226	\$226	\$226
GDP from Income	\$1,282	\$1,377	\$982	\$978	\$979	\$979	\$978	\$26\$	\$979	\$981	\$980
GDP from Production											
Revenue											
\$85/\$115	\$2,857	\$2,403	\$2,833	\$2,961	\$2,963	\$2,957	\$2,963	\$2,960	\$2,960	\$2,961	\$2,963
\$100/\$130	\$2,857	\$2,758	\$3,253	\$3,404	\$3,407	\$3,400	\$3,406	\$3,403	\$3,404	\$3,404	\$3,406
\$115/\$145	\$2,857	\$3,113	\$3,674	\$3,847	\$3,850	\$3,842	\$3,850	\$3,846	\$3,847	\$3,847	\$3,850
OP Costs	\$1,510	\$1,046	\$1,478	\$1,602	\$1,604	\$1,599	\$1,604	\$1,601	\$1,602	\$1,602	\$1,604
GDP from Production											
\$85/\$115	\$1,347	\$1,356	\$1,355	\$1,359	\$1,359	\$1,359	\$1,359	\$1,359	\$1,359	\$1,359	\$1,359
\$100/\$130	\$1,347	\$1,711	\$1,776	\$1,802	\$1,802	\$1,801	\$1,802	\$1,802	\$1,802	\$1,802	\$1,802
\$115/\$145	\$1,347	\$2,067	\$2,196	\$2,245	\$2,246	\$2,243	\$2,246	\$2,245	\$2,245	\$2,245	\$2,246
GDP											
\$85/\$115	\$2,629	\$2,733	\$2,337	\$2,337	\$2,338	\$2,338	\$2,337	\$2,337	\$2,338	\$2,340	\$2,338
\$100/\$130	\$2,629	\$3,088	\$2,757	\$2,780	\$2,781	\$2,780	\$2,781	\$2,780	\$2,781	\$2,783	\$2,782
\$115/\$145	\$2,629	\$3,444	\$3,178	\$3,223	\$3,225	\$3,223	\$3,224	\$3,223	\$3,224	\$3,226	\$3,225

_	
in Labrador	
Ξ	
Industry	
VIIIII 9 ING	
ron Cre IV	
Lon	
ö	
IVSIS OF L	
Ana	
Impact	-
Economic Impact	

GDP												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
GDP from Income												
Direct GDP	\$544	\$208	\$208	\$208	\$508	\$208	\$208	\$208	\$208	\$208	\$11,607	\$553
Indirect GDP	\$206	\$184	\$184	\$184	\$184	\$184	\$184	\$184	\$184	\$184	\$4,205	\$200
Induced GDP	\$225	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$208	\$4,744	\$226
GDP from Income	\$976	\$901	\$901	\$901	\$901	\$901	\$901	\$901	\$901	\$901	\$20,556	\$979
GDP from Production												
Revenue												
\$85/\$115	\$2,951	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$2,450	\$56,779	\$2,704
\$100/\$130	\$3,392	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$2,803	\$64,716	\$3,082
\$115/\$145	\$3,834	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$3,155	\$72,654	\$3,460
OP Costs	\$1,593	\$1,105	\$1,105	\$1,105	\$1,105	\$1,105	\$1,105	\$1,105	\$1,105	\$1,105	\$28,390	\$1,352
GDP from Production												
\$85/\$115	\$1,358	\$1,345	\$1,345	\$1,345	\$1,345	\$1,345	\$1,345	\$1,345	\$1,345	\$1,345	\$28,389	\$1,352
\$100/\$130	\$1,800	\$1,698	\$1,698	\$1,698	\$1,698	\$1,698	\$1,698	\$1,698	\$1,698	\$1,698	\$36,327	\$1,730
\$115/\$145	\$2,241	\$2,051	\$2,051	\$2,051	\$2,051	\$2,051	\$2,051	\$2,051	\$2,051	\$2,051	\$44,265	\$2,108
GDP												
\$85/\$115	\$2,334	\$2,246	\$2,246	\$2,246	\$2,246	\$2,246	\$2,246	\$2,246	\$2,246	\$2,246	\$48,945	\$2,331
\$100/\$130	\$2,775	\$2,598	\$2,598	\$2,598	\$2,598	\$2,598	\$2,598	\$2,598	\$2,598	\$2,598	\$56,883	\$2,709
\$115/\$145	\$3,217	\$2,951	\$2,951	\$2,951	\$2,951	\$2,951	\$2,951	\$2,951	\$2,951	\$2,951	\$64,821	\$3,087

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Total Taxes											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Direct											
\$85/\$115	\$264	\$259	\$293	\$307	\$303	\$303	\$303	\$303	\$303	\$303	\$304
\$100/\$130	\$264	\$317	\$361	\$380	\$374	\$374	\$374	\$374	\$374	\$374	\$375
\$115/\$145	\$264	\$374	\$430	\$452	\$446	\$445	\$445	\$445	\$445	\$445	\$446
Total Indirect	\$21	\$23	\$19	\$19	\$19	\$19	\$19	\$19	\$19	\$19	\$19
Total Induced	\$100	\$108	\$78	\$77	\$78	\$78	\$77	\$77	\$78	\$78	\$78
Total Taxes											
\$85/\$115	\$385	\$389	\$389	\$404	\$400	\$399	\$400	\$399	\$399	\$400	\$400
\$100/\$130	\$385	\$447	\$458	\$476	\$471	\$470	\$471	\$470	\$470	\$471	\$472
\$115/\$145	\$385	\$205	\$526	\$549	\$542	\$541	\$542	\$541	\$541	\$542	\$543

Total Taxes												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Total Direct												
\$85/\$115	\$303	\$256	\$256	\$256	\$256	\$256	\$257	\$257	\$256	\$256	\$5,855	\$279
\$100/\$130	\$374	\$314	\$313	\$313	\$314	\$314	\$314	\$315	\$313	\$314	\$7,139	\$340
\$115/\$145	\$445	\$371	\$371	\$371	\$371	\$371	\$372	\$372	\$371	\$371	\$8,423	\$401
Total Indirect	\$19	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$385	\$1\$
Total Induced	\$77	\$71	\$71	\$71	\$71	\$71	\$71	\$71	\$71	\$71	\$1,624	LL \$
Total Taxes												
\$85/\$115	\$399	\$344	\$344	\$344	\$345	\$345	\$345	\$346	\$344	\$344	\$7,864	\$374
\$100/\$130	\$470	\$402	\$402	\$402	\$402	\$402	\$402	\$403	\$402	\$402	\$9,149	\$436
\$115/\$145	\$541	\$459	\$459	\$459	\$460	\$460	\$460	\$461	\$459	\$459	\$10,433	\$497

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Appendix C2: Scenario 1

I able C2.1 – Annual C	capital Expenditure Profile: Canada and Newfoundland	xpenditu	re Protile	e: Canad	a and Ne	wround	land				
Capital											
Canada											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$1,347	\$1,467	\$1,596	\$1,645	\$1,646	\$1,664	\$2,338	\$2,378	\$2,789	\$2,788	\$2,784
Total Capex	\$901	\$1,081	\$437	\$749	\$1,125	\$829	\$881	\$1,004	\$421	\$426	\$422
Total	\$2,248	\$2,548	\$2,033	\$2,393	\$2,771	\$2,493	\$3,219	\$3,382	\$3,210	\$3,213	\$3,206
Newfoundland											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$288	\$695	\$767	\$763	\$763	\$777	\$1,080	\$1,100	\$1,290	\$1,289	\$1,288
Total Capex	\$452	\$547	\$178	\$297	\$425	\$356	\$376	\$434	\$171	\$177	\$171
Total	\$1,039	\$1,239	\$945	\$1,060	\$1,188	\$1,132	\$1,456	\$1,534	\$1,461	\$1,465	\$1,459

da 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 Opex \$2,777 \$2,555 \$2,530 \$2,521 \$2,502 \$2,482 \$2,470 \$2,461 \$2,444 Capex \$419 \$448 \$425 \$406 \$2,882 \$2,812 \$2,812	Capital												
Opex \$2,777 \$2,555 \$2,530 \$2,521 \$2,502 \$2,482 \$2,470 \$2,444 Capex \$419 \$42,55 \$2,530 \$2,528 \$2,521 \$2,602 \$2,482 \$2,470 \$2,441 \$2,444 Index \$419 \$448 \$42,5 \$2,935 \$2,927 \$2,909 \$2,888 \$2,876 \$2,444 \$2,444 Index \$3,196 \$3,003 \$2,935 \$2,927 \$2,909 \$2,888 \$2,876 \$2,867 \$2,444 Index \$3,106 \$3,003 \$2,935 \$2,927 \$2,909 \$2,888 \$2,876 \$2,851 \$2,444 Index \$3,106 \$3,003 \$2,935 \$2,935 \$2,909 \$2,888 \$2,867 \$2,851 \$2,851 Index \$2022 \$2023 \$2,009 \$2,888 \$2,876 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851 \$2,851	Canada											Total	Average
Opex \$2,777 \$2,555 \$2,530 \$2,521 \$2,520 \$2,482 \$2,480 \$2,461 \$2,461 \$2,444 Capex \$419 \$448 \$425 \$406 \$40	Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2011-2031	2011-2031
Capex \$406 <t< td=""><td>Total Opex</td><td>\$2,777</td><td>\$2,555</td><td>\$2,530</td><td>\$2,528</td><td>\$2,521</td><td>\$2,502</td><td>\$2,482</td><td>\$2,470</td><td>\$2,461</td><td>\$2,444</td><td>\$47,713</td><td>\$2,272</td></t<>	Total Opex	\$2,777	\$2,555	\$2,530	\$2,528	\$2,521	\$2,502	\$2,482	\$2,470	\$2,461	\$2,444	\$47,713	\$2,272
foundland \$3,085 \$2,985 \$2,927 \$2,909 \$2,888 \$2,876 \$2,867 \$2,857 foundland 2022 2023 2024 2025 2026 2027 2028 2029 2039 2031 2031 Opex \$1,285 \$1,187 \$1,176 \$1,171 \$1,162 \$1,152 \$1,146 \$1,141 \$1,132 Capex \$1457 \$1,376 \$1,376 \$1,337 \$1,65 \$165 \$165 \$165 \$165 \$165 \$165 \$165 \$165 \$165 \$165 \$165 \$165 \$166 \$1,207 <	Total Capex	\$419	\$448	\$425	\$406	\$406	\$406	\$406	\$406	\$406	\$406	\$12,408	\$591
foundland 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 Opex \$1,285 \$1,187 \$1,175 \$1,171 \$1,162 \$1,146 \$1,141 \$1,132 Capex \$172 \$132 \$134 \$1,34 \$1,64 \$1,13 \$1,65 \$165 \$	Total	\$3,196	\$3,003	\$2,955	\$2,935	\$2,927	\$2,909	\$2,888	\$2,876	\$2,867	\$2,851	\$60,122	\$2,863
foundland 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 Opex \$1,285 \$1,187 \$1,176 \$1,171 \$1,162 \$1,146 \$1,141 \$1,132 Capex \$172 \$132 \$136 \$136 \$136 \$165<													
Opex \$1,285 \$1,187 \$1,176 \$1,171 \$1,162 \$1,152 \$1,146 \$1,141 \$1,141 \$1,141 \$1,142 \$1,141 \$1,141 \$1,142 \$1,141 \$1,141 \$1,142 \$1,141 <th>Newfoundland</th> <th></th>	Newfoundland												
Opex 51,285 \$1,187 \$1,176 \$1,175 \$1,171 \$1,162 \$1,152 \$1,146 \$1,141 \$1,132 \$1,132 Capex \$137 \$1.369 \$1.347 \$1.349 \$1.340 \$1.336 \$1.327 \$1.311 \$1.306 \$1.297	Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Capex \$172 \$1.36 \$1.347 \$1.340 \$1.336 \$1.327 \$1.311 \$1.306 \$1.297	Total Opex	\$1,285	\$1,187	\$1,176	\$1,175	\$1,171	\$1,162	\$1,152	\$1,146	\$1,141	\$1,132	\$22,122	\$1,053
\$1.457 \$1.369 \$1.347 \$1.340 \$1.336 \$1.327 \$1.311 \$1.306 \$1.297	Total Capex	\$172	\$182	\$171	\$165	\$165	\$165	\$165	\$165	\$165	\$165	\$5,262	\$251
	Total	\$1,457	\$1,369	\$1,347	\$1,340	\$1,336	\$1,327	\$1,317	\$1,311	\$1,306	\$1,297	\$27,384	\$1,304

\$108,764

\$5,685

\$2,685

\$2,685

\$2,685

\$2,685

\$2,685

\$5,685

\$2,685

\$2,685

\$6,364

\$115/\$145

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C2.2 – Annual Production and Revenue (\$85/\$115, \$100/\$130, \$115/\$145)

Production (MT)											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Pellets	8.7	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Concentrate	8.7	10.7	13.0	14.5	14.6	14.5	28.6	28.5	36.5	36.5	36.6
Total	17.4	23.7	28.0	29.5	29.6	29.5	43.6	43.5	51.5	51.5	51.6
Total Revenue	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
\$85/\$115	\$2,857	\$2,403	\$2,833	\$2,961	\$2,963	\$2,957	\$4,153	\$4,150	\$4,830	\$4,831	\$4,833
\$100/\$130	\$2,857	\$2,758	\$3,253	\$3,404	\$3,407	\$3,400	\$4,806	\$4,803	\$5,604	\$5,604	\$5,606
\$115/\$145	\$2,857	\$3,113	\$3,674	\$3,847	\$3,850	\$3,842	\$5,460	\$5,456	\$6,377	\$6,377	\$6,380

Production (MT)												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Pellets	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	306.7	14.6
Concentrate	36.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	553.9	26.4
Total	51.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	9.098	41.0
Total Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
\$85/\$115	\$4,821	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$83,469	\$3,975
\$100/\$130	¢5 502	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	¢5 003	¢5 003	\$116	777 L

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C2.3 – Annual Employment (Opex, Capex, Direct, Indirect, Induced) Newfoundland

Employment											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Direct Opex	2,138	2,583	2,720	2,747	2,748	2,818	3,754	3,821	4,594	4,595	4,587
Indirect Opex	1,867	2,033	2,213	2,280	2,281	2,306	3,241	3,297	3,866	3,864	3,860
Induced Opex	1,441	1,689	1,795	1,824	1,825	1,863	2,521	2,566	3,062	3,062	3,057
Total Opex	5,446	6,305	6,728	6,851	6,854	6,987	9,517	9,684	11,522	11,522	11,505
Direct Capex	985	1,070	382	916	1,030	855	874	1,064	353	356	354
Indirect Capex	882	1,062	429	735	1,105	814	865	985	414	418	414
Induced Capex	1,156	1,285	471	1,056	1,257	1,018	1,048	1,259	440	444	440
Total Capex	3,022	3,417	1,281	2,707	3,392	2,688	2,786	3,308	1,207	1,218	1,208
Total Direct	3,120	3,653	3,102	3,664	3,778	3,673	4,628	4,885	4,948	4,951	4,941
Total Indirect	2,752	3,095	2,642	3,015	3,386	3,120	4,106	4,282	4,280	4,282	4,274
Total Induced	2,597	2,973	2,266	2,880	3,081	2,881	3,569	3,825	3,502	3,506	3,498
Total	8,468	9,721	8,009	9.558	10,246	9.675	12,303	12.992	12,729	12,740	12,713

Employment												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Direct Opex	4,589	4,369	4,354	4,354	4,336	4,314	4,283	4,259	4,246	4,205	80,415	3,829
Indirect Opex	3,850	3,542	3,507	3,505	3,494	3,469	3,441	3,424	3,411	3,389	66,140	3,150
Induced Opex	3,056	2,881	2,866	2,865	2,854	2,838	2,817	2,802	2,792	2,768	53,243	2,535
Total Opex	11,494	10,792	10,727	10,724	10,684	10,621	10,540	10,485	10,449	10,361	199,799	9,514
Direct Capex	351	357	343	343	343	343	343	343	343	343	11,689	222
Indirect Capex	411	440	417	399	399	399	399	399	399	399	12,185	280
Induced Capex	437	450	431	427	427	427	427	427	427	427	14,176	675
Total Capex	1,199	1,247	1,191	1,169	1,168	1,168	1,168	1,168	1,168	1,168	38,051	1,812
Total Direct	4,939	4,726	4,697	4,697	4,679	4,658	4,626	4,602	4,589	4,548	92,104	4,386
Total Indirect	4,261	3,982	3,924	3,904	3,893	3,868	3,840	3,823	3,810	3,787	78,326	3,730
Total Induced	3,493	3,331	3,297	3,292	3,281	3,265	3,243	3,228	3,219	3,194	67,419	3,210
Total	12,693	12,039	11,918	11,893	11,853	11,790	11,709	11,654	11,617	11,529	237,849	11,326

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C2.4 – Annual Income (Opex. Capex. Direct. Indirect. Induced) Newfoundland

I adic C2.4 – Allinai Illi		Opca, Co	conic (Opea, Capea, Direct, minister, induced) inconsiding	cci, mai	וור, דוות	acca) INC	w round	alla			
Income											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Direct Opex	\$323	\$427	\$449	\$454	\$424	\$466	\$620	\$631	\$759	\$759	\$758
Indirect Opex	\$152	\$166	\$180	\$186	\$186	\$188	\$264	\$269	\$315	\$315	\$314
Induced Opex	\$152	\$178	\$189	\$192	\$192	\$196	\$265	\$270	\$322	\$322	\$322
Total Opex	\$657	\$770	\$819	\$832	\$832	\$849	\$1,150	\$1,170	\$1,396	\$1,396	\$1,394
Direct Capex	\$320	\$349	\$124	\$298	\$332	\$279	\$285	\$347	\$115	\$116	\$115
Indirect Capex	\$76	\$92	\$37	\$63	\$6\$	\$70	\$75	\$85	\$36	\$36	\$36
Induced Capex	\$119	\$132	\$48	\$109	\$129	\$105	\$108	\$129	\$45	\$46	\$45
Total Capex	\$515	\$572	\$210	\$470	\$260	\$454	\$467	\$561	\$196	\$198	\$196
Total Direct	\$673	\$775	\$574	\$752	062\$	\$744	\$905	\$6\$	\$874	\$875	\$873
Total Indirect	\$228	\$257	\$217	\$249	\$281	\$258	\$339	\$354	\$351	\$351	\$350
Total Induced	\$270	\$310	\$237	\$300	\$321	\$301	\$373	\$399	\$367	\$368	\$367
Total	\$1,172	\$1,343	\$1,028	\$1,302	\$1,392	\$1,303	\$1,617	\$1,731	\$1,592	\$1,594	\$1,590

псоше												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Direct Opex	\$22\$	\$722	\$719	\$719	\$716	\$713	\$208	\$704	\$701	\$695	\$13,287	\$633
Indirect Opex	\$314	\$289	\$286	\$285	\$285	\$283	\$280	\$279	\$278	\$276	\$5,388	\$257
Induced Opex	\$322	\$303	\$302	\$301	\$300	\$299	\$296	\$295	\$294	\$291	\$5,602	\$267
Total Opex	\$1,393	\$1,313	\$1,307	\$1,306	\$1,301	\$1,294	\$1,284	\$1,277	\$1,273	\$1,262	\$24,276	\$1,156
Direct Capex	\$114	\$116	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$3,808	\$181
Indirect Capex	\$32	\$38	\$36	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$1,052	\$50
Induced Capex	\$45	\$46	\$44	\$44	\$44	\$44	\$44	\$44	\$44	\$44	\$1,458	69\$
Total Capex	\$195	\$201	\$192	\$190	\$190	\$190	\$190	\$190	\$190	\$190	\$6,318	\$301
Total Direct	\$872	\$838	\$831	\$831	\$828	\$825	\$819	\$815	\$813	\$806	\$17,094	\$814
Total Indirect	\$349	\$326	\$322	\$320	\$319	\$317	\$315	\$313	\$312	\$310	\$6,440	\$307
Total Induced	\$366	\$349	\$346	\$345	\$344	\$342	\$340	\$339	\$338	\$335	\$7,060	\$336
Total	\$1,588	\$1,514	\$1,499	\$1,496	\$1,491	\$1,484	\$1,474	\$1,468	\$1,463	\$1,452	\$30,594	\$1,457

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

\$2,048 \$4,412 \$873 \$320 \$367 \$4,833 \$5,606 \$6,380 \$2,784 \$3,595 \$3,639 \$5,185 2021 \$1,590 \$4,410 \$2,816 2020 \$875 \$351 \$368 \$5,604 \$6,377 \$2,043 \$3,589 \$3,637 \$5,183 \$1,594 \$2,788 \$4,831 Table C2.5 – Annual GDP Newfoundland Income and Production (\$85/\$115,\$100/\$130,\$115/\$145) 2019 \$874 \$5,604 \$6,377 \$2,789 \$2,042 \$2,815 \$4,407 \$5,180 \$351 \$367 \$1,592 \$3,588 \$4,830 \$3,634 \$4,156 2018 \$978 \$354 \$399 \$1,731 \$4,803 \$5,456 \$2,378 \$2,425 \$3,078 \$3,503 \$4,809 \$4,150 \$1,772 \$339 \$1,815 2017 \$905 \$373 \$1,617 \$4,806 \$2,338 \$2,468 \$4,085 \$4,738 \$4,153 \$5,460 \$3,122 \$3,431 2016 \$744 \$258 \$1,294 \$3,039 \$1,303 \$3,400 \$1,736 \$2,178 \$3,482 \$301 \$3,842 \$1,664 \$2,957 \$2,597 2015 \$790 \$281 \$321 \$3,850 \$1,646 \$1,317 \$1,761 \$3,153 \$3,596 \$1,392 \$3,407 \$2,204 \$2,963 \$2,709 \$249 \$1,316 \$2,618 2014 \$752 \$3,404 \$1,645 \$1,759 \$2,202 \$3,061 \$3,504 \$2,961 \$3,847 \$1,302 \$3,253 \$574 \$1,596 \$1,237 \$2,078 \$2,685 \$3,106 2013 \$217 \$237 \$1,028 \$3,674 \$1,657 \$2,833 \$2,265 \$775 \$2,634 2012 \$257 \$310 \$2,758 \$3,113 \$936 \$1,291 \$1,646 \$2,989 \$1,467 \$2,279 \$1,343 \$2,403 \$1,510 \$228 \$1,510 \$1,510 \$2,682 \$2,682 2011 \$673 \$1,347 \$2,682 \$1,172 \$2,857 \$2,857 \$2,857 **GDP** from Production **GDP** from Production GDP from Income GDP from Income Induced GDP Indirect GDP Direct GDP \$100/\$130 \$115/\$145 \$100/\$130 \$115/\$145 \$85/\$115 \$85/\$115 Revenue OP Costs \$100/\$130 \$115/\$145 \$85/\$115 Year GDP GDP

	<u>.</u>
	9
	apr
	Ę
	' II
	E
	ıns
	g B
	Ē
	Ξ
,	Te
١	$\overline{}$
	_
	5
	t Iro
	of Iro
	SIS OF ITO
	nalysis of Iro
	Analysis of Iro
	t Analysis of Iro
	pact Analysis of Iro
	eact Analysis of Iro
	c Impact Analysis of Iro
	Impact Analysis of Iro
	onomic Impact Analysis of Iro
	mic Impact Analysis of Iro

GDP												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
GDP from Income												
Direct GDP	\$872	\$838	\$831	\$831	\$828	\$825	\$819	\$815	\$813	\$806	\$17,094	\$814
Indirect GDP	\$349	\$326	\$325	\$320	\$319	\$317	\$315	\$313	\$312	\$310	\$6,440	\$307
Induced GDP	\$366	\$349	\$346	\$345	\$344	\$342	\$340	\$339	\$338	\$332	090'2\$	\$336
GDP from Income	\$1,588	\$1,514	\$1,499	\$1,496	\$1,491	\$1,484	\$1,474	\$1,468	\$1,463	\$1,452	\$30,594	\$1,457
GDP from Production												
Revenue												
\$85/\$115	\$4,821	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$4,320	\$83,469	\$3,975
\$100/\$130	\$5,592	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	\$5,003	\$96,116	\$4,577
\$115/\$145	\$6,364	\$2,685	\$2,685	\$5,685	\$2,685	\$5,685	\$2,685	\$5,685	\$5,685	\$2,685	\$108,764	\$5,179
OP Costs	\$2,777	\$2,555	\$2,530	\$2,528	\$2,521	\$2,502	\$2,482	\$2,470	\$2,461	\$2,444	\$47,713	\$2,272
GDP from Production												
\$85/\$115	\$2,044	\$1,764	\$1,790	\$1,791	\$1,799	\$1,817	\$1,837	\$1,849	\$1,859	\$1,875	\$35,755	\$1,703
\$100/\$130	\$2,815	\$2,447	\$2,473	\$2,474	\$2,482	\$2,500	\$2,520	\$2,532	\$2,542	\$2,558	\$48,403	\$2,305
\$115/\$145	\$3,587	\$3,130	\$3,155	\$3,157	\$3,165	\$3,183	\$3,203	\$3,215	\$3,225	\$3,241	\$61,051	\$2,907
GDP												
\$85/\$115	\$3,632	\$3,278	\$3,288	\$3,288	\$3,290	\$3,301	\$3,312	\$3,317	\$3,322	\$3,327	\$66,349	\$3,159
\$100/\$130	\$4,403	\$3,961	\$3,971	\$3,971	\$3,973	\$3,984	\$3,995	\$4,000	\$4,005	\$4,010	\$78,997	\$3,762
\$115/\$145	\$5,174	\$4,644	\$4,654	\$4,654	\$4,656	\$4,667	\$4,678	\$4,683	\$4,688	\$4,693	\$91,645	\$4,364

Table C2.6 - Annual Taxes Direct (\$85/\$115,\$100/\$130,\$115/\$145), Indirect, Induced Newfoundland

Total Taxes											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Direct											
\$85/\$115	\$264	\$262	\$295	\$317	\$317	\$317	\$368	\$374	\$434	\$444	\$451
\$100/\$130	\$264	\$319	\$363	\$390	\$388	\$394	\$495	\$200	\$583	\$592	\$599
\$115/\$145	\$264	\$377	\$432	\$462	\$459	\$483	\$622	\$626	\$731	\$740	\$746
Total Indirect	\$21	\$24	\$20	\$23	\$26	\$24	\$31	\$32	\$32	\$32	\$32
TotalInduced	\$92	\$105	\$81	\$102	\$109	\$102	\$127	\$136	\$126	\$126	\$126
Total Taxes											
\$85/\$115	\$377	\$391	\$396	\$442	\$452	\$444	\$527	\$543	\$593	\$603	609\$
\$100/\$130	\$377	\$448	\$464	\$515	\$523	\$520	\$653	\$699	\$741	\$751	\$757
\$115/\$145	\$377	\$206	\$533	\$587	\$594	\$609	\$781	\$795	\$889	\$88\$	\$904

Total Taxes												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Total Direct												
\$85/\$115	\$457	\$423	\$422	\$427	\$438	\$444	\$449	\$453	\$456	\$457	\$8,270	\$394
\$100/\$130	\$604	\$557	\$555	\$560	\$571	\$577	\$582	\$586	\$589	\$590	\$10,654	\$507
\$115/\$145	\$751	\$690	\$688	\$693	\$703	\$710	\$714	\$718	\$721	\$722	\$13,052	\$622
Total Indirect	\$32	\$30	\$29	\$29	\$29	\$29	\$29	\$29	\$28	\$28	\$288	\$28
Total Induced	\$126	\$120	\$119	\$119	\$118	\$118	\$117	\$116	\$116	\$115	\$2,419	\$115
Total Taxes												
\$85/\$115	\$615	\$573	\$570	\$575	\$285	\$591	\$595	\$598	\$601	\$600	\$11,277	\$537
\$100/\$130	\$761	\$707	\$703	\$208	\$718	\$724	\$727	\$730	\$733	\$733	\$13,661	\$651
\$115/\$145	\$908	\$840	\$836	\$841	\$851	\$857	\$860	\$863	\$866	\$866	\$16,059	\$765

Appendix C3: Scenario 2

Table C3.1 – Annual Capital Expenditure Profile: Canada and Newfoundland

Capital											
Canada											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$1,347	\$1,467	\$1,596	\$1,665	\$2,028	\$2,377	\$2,376	\$2,374	\$3,198	\$3,193	\$3,913
Total Capex	\$905	\$1,526	\$910	\$601	\$786	\$42\$	\$1,203	\$2,447	\$2,780	\$3,175	\$537
Total	\$2,252	\$2,993	\$2,506	\$2,266	\$2,813	\$3,175	\$3,578	\$4,821	\$5,978	\$6,368	\$4,450
Newfoundland											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$288	\$695	\$767	\$777	\$937	\$1,100	\$1,099	\$1,098	\$1,469	\$1,467	\$1,884
Total Capex	\$454	\$719	\$327	\$249	\$339	\$349	\$493	\$1,170	\$1,288	\$1,465	\$216
Total	\$1,042	\$1,411	\$1,095	\$1,026	\$1,276	\$1,448	\$1,593	\$2,268	\$2,758	\$2,932	\$2,100

Capital												
Canada											Total	Average
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2011-2031	2011-2031
Total Opex	\$4,009	\$3,893	\$3,881	\$3,845	\$3,814	\$3,790	\$3,771	\$3,746	\$3,746	\$3,746	\$63,777	\$3,037
Total Capex	\$536	\$479	\$482	\$510	\$550	\$487	\$491	\$526	\$206	\$513	\$20,747	\$86\$
Total	\$4,545	\$4,372	\$4,364	\$4,355	\$4,364	\$4,277	\$4,262	\$4,272	\$4,253	\$4,260	\$84,524	\$4,025
Newfoundland												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Total Opex	\$1,956	\$1,918	\$1,914	\$1,896	\$1,888	\$1,875	\$1,867	\$1,855	\$1,852	\$1,852	\$30,751	\$1,464
Total Capex	\$216	\$192	\$193	\$204	\$223	\$195	\$197	\$215	\$205	\$209	\$9,120	\$434
Total	\$2,171	\$2,110	\$2,107	\$2,101	\$2,111	\$2,070	\$2,064	\$2,070	\$2,057	\$2,061	\$39,871	\$1,899

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C3.2 – Annual Production and Revenue (\$82/\$115, \$100/\$130, \$115/\$145)	roductic	n and Ke	venue (\$85/\$II:), \$100/3	5150, \$1	15/\$145)			
Production (MT)											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Pellets	8.7	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	26.9
Concentrate	8.7	10.7	13.0	14.5	22.6	28.5	28.6	28.5	44.5	44.5	56.1
Total	17.4	23.7	28.0	29.5	37.6	43.5	43.6	43.5	59.5	59.5	83.0

Total Revenue	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
\$85/\$115	\$2,857	\$2,403	\$2,833	\$2,961	\$3,643	\$4,147	\$4,153	\$4,150	\$5,510	\$5,511	\$7,861
\$100/\$130	\$2,857	\$2,758	\$3,253	\$3,404	\$4,207	\$4,800	\$4,806	\$4,803	\$6,404	\$6,404	\$9,106
\$115/\$145	\$2,857	\$3,113	\$3,674	\$3,847	\$4,770	\$5,452	\$5,460	\$5,456	\$7,297	\$7,297	\$10,351

Production (MT)												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Pellets	30.2	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	486.9	23.2
Concentrate	57.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	821.9	39.1
Total	87.2	83.6	83.6	83.7	83.6	83.6	83.6	83.6	83.6	83.6	1308.8	62.3

Production (MT)												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Pellets	30.2	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	486.9	23.2
Concentrate	57.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	821.9	39.1
Total	87.2	83.6	83.6	83.7	83.6	83.6	83.6	83.6	9.88	83.6	1308.8	62.3
Total Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
\$85/\$115	\$8,322	\$8,069	\$8,069	\$8,071	\$8,068	\$8,068	\$90′8\$	\$8,069	\$8,069	\$8,069	\$126,972	\$6,046
\$100/\$130	\$9,631	\$9,324	\$9,323	\$9,326	\$9,323	\$9,323	\$9,323	\$9,323	\$9,323	\$9,323	\$146,343	\$6,969
\$115/\$145	\$10,939	\$10,578	\$10,578	\$10,580	\$10,577	\$10,577	\$10,577	\$10,578	\$10,578	\$10,578	\$165,714	\$7,891

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

The state of the s	andred men (after a decide men and men	Je)	our, cape	, — ·	,	200	(5)				
Employment											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Direct Opex	2,138	2,583	2,720	2,820	3,174	3,820	3,822	3,822	4,921	4,921	5,819
Indirect Opex	2,189	2,384	2,594	2,706	3,296	3,864	3,861	3,858	5,198	5,189	6,361
Induced Opex	1,458	1,701	1,811	1,881	2,176	2,595	2,595	2,594	3,394	3,392	4,063
Total Opex	5,786	899'9	7,126	7,407	8,646	10,279	10,279	10,274	13,512	13,502	16,243
Direct Capex	666	1,746	726	542	700	911	1,303	2,553	2,757	3,202	435
Indirect Capex	922	1,556	928	613	801	813	1,226	2,496	2,834	3,238	548
Induced Capex	1,020	1,768	808	582	754	922	1,336	2,642	2,889	3,341	481
Total Capex	2,941	5,070	2,462	1,737	2,255	2,646	3,866	7,691	8,480	9,781	1,464
Total Direct	3,137	4,329	3,447	3,361	3,874	4,731	5,125	6,375	7,677	8,123	6,254
Total Indirect	3,112	3,940	3,522	3,319	4,097	4,677	5,088	6,354	8,032	8,427	6,908
Total Induced	2,478	3,469	2,619	2,464	2,930	3,517	3,931	5,236	6,282	6,733	4,545
Total	8,727	11,738	9,588	9,144	10,901	12,925	14,144	17,964	21,992	23,283	17,707
											l

Employment												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Direct Opex	6,013	5,916	5,898	5,846	5,845	5,789	5,780	5,702	5,650	5,650	98,648	4,698
Indirect Opex	6,516	6,328	6)309	6,250	6,200	6,161	6,130	6,089	6,089	6,089	103,661	4,936
Induced Opex	4,185	4,098	4,086	4,049	4,037	4,003	3,992	3,948	3,925	3,925	67,910	3,234
Total Opex	16,714	16,342	16,293	16,145	16,081	15,953	15,902	15,740	15,665	15,665	270,220	12,868
Direct Capex	433	406	408	415	445	412	416	444	428	434	20,114	928
Indirect Capex	547	489	492	520	260	496	200	536	516	523	21,157	1,007
Induced Capex	480	444	446	459	493	451	454	486	468	475	21,200	1,010
Total Capex	1,459	1,339	1,346	1,395	1,498	1,359	1,370	1,465	1,413	1,432	62,471	2,975
Total Direct	6,445	6,322	908'9	6,261	6,290	6,201	6,195	6,146	6,079	6,084	118,762	5,655
Total Indirect	7,063	6,816	6,801	6,770	6,760	6,657	6,630	6,625	909'9	6,613	124,818	5,944
Total Induced	4,665	4,543	4,532	4,508	4,530	4,454	4,446	4,434	4,393	4,400	89,110	4,243
Total	18,173	17,681	17,639	17,539	17,579	17,312	17,272	17,205	17,078	17,097	332,690	15,842

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Income											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Direct Opex	\$331	\$400	\$421	\$437	\$492	\$592	\$592	\$592	\$762	\$762	\$905
Indirect Opex	\$177	\$193	\$210	\$219	\$267	\$313	\$313	\$312	\$421	\$420	\$515
Induced Opex	\$153	\$178	\$189	\$197	\$228	\$271	\$271	\$271	\$355	\$355	\$425
Total Opex	\$661	\$771	\$821	\$853	\$986	\$1,176	\$1,176	\$1,176	\$1,538	\$1,537	\$1,842
Direct Capex	\$268	\$468	\$195	\$145	\$187	\$244	\$349	\$684	\$739	\$828	\$116
Indirect Capex	\$85	\$138	\$83	\$25	\$71	\$72	\$109	\$222	\$252	\$288	\$49
Induced Capex	\$105	\$182	\$83	\$60	\$78	\$95	\$137	\$272	\$297	\$344	\$50
Total Capex	\$455	\$288	\$360	\$260	\$336	\$411	\$596	\$1,178	\$1,288	\$1,489	\$215
Total Direct	\$599	\$98\$	\$616	\$582	\$679	\$836	\$941	\$1,276	\$1,501	\$1,620	\$1,018
Total Indirect	\$259	\$331	\$293	\$274	\$338	\$385	\$422	\$534	\$673	\$208	\$564
Total Induced	\$257	\$360	\$273	\$257	\$305	\$366	\$409	\$543	\$652	\$69\$	\$475
Total	\$1.116	\$1.559	\$1.181	\$1.112	\$1.323	\$1.587	\$1,772	\$2.353	\$2.826	\$3.027	\$2.056

Income												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Direct Opex	\$932	\$917	\$914	\$906	\$905	\$897	\$895	\$883	\$875	\$875	\$15,283	\$728
Indirect Opex	\$528	\$512	\$511	\$206	\$502	\$499	\$496	\$493	\$493	\$493	\$8,394	\$400
Induced Opex	\$438	\$429	\$427	\$424	\$422	\$419	\$418	\$413	\$411	\$411	\$7,103	\$338
Total Opex	\$1,897	\$1,858	\$1,852	\$1,835	\$1,830	\$1,814	\$1,809	\$1,789	\$1,779	\$1,779	\$30,780	\$1,466
Direct Capex	\$116	\$109	\$109	\$111	\$119	\$110	\$111	\$119	\$115	\$116	\$5,388	\$257
Indirect Capex	\$49	\$43	\$44	\$46	\$20	\$44	\$44	\$48	\$46	\$47	\$1,881	\$90
Induced Capex	\$49	\$46	\$46	\$47	\$51	\$46	\$47	\$50	\$48	\$49	\$2,181	\$104
Total Capex	\$214	\$198	\$199	\$205	\$220	\$201	\$203	\$216	\$209	\$212	\$9,451	\$450
Total Direct	\$1,047	\$1,025	\$1,023	\$1,017	\$1,025	\$1,007	\$1,007	\$1,002	\$990	\$992	\$20,672	\$984
Total Indirect	\$576	\$556	\$555	\$552	\$552	\$543	\$541	\$541	\$539	\$540	\$10,275	\$489
Total Induced	\$487	\$474	\$473	\$471	\$473	\$465	\$464	\$463	\$459	\$459	\$9,284	\$442
Total	\$2,111	\$2,056	\$2,051	\$2,040	\$2,049	\$2,015	\$2,012	\$2,006	\$1,988	\$1,991	\$40,231	\$1,916

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

\$3,948 \$7,249 \$1,018 \$475 \$6,004 \$8,494 \$2,056 \$9,106 \$3,913 \$5,193 2021 \$564 \$10,351 \$6,438 \$7,861 \$6,238 2020 \$1,620 \$708 \$69\$ \$5,511 \$6,404 \$2,318 \$3,211 \$4,104 \$7,131 \$3,027 \$7,297 \$3,193 \$5,345 Table C3.5 – Annual GDP Newfoundland Income and Production (\$85/\$115,\$100/\$130,\$115/\$145) 2019 \$1,501 \$673 \$652 \$6,404 \$3,198 \$2,313 \$3,206 \$6,031 \$6,925 \$7,297 \$4,099 \$2,826 \$5,510 \$5,138 \$2,430 \$4,130 2018 \$1,276 \$534 \$543 \$4,803 \$5,456 \$2,374 \$1,777 \$3,082 \$4,783 \$5,436 \$2,353 \$4,150 \$941 \$4,806 \$4,203 \$4,856 2017 \$422 \$1,772 \$5,460 \$2,376 \$1,777 \$2,431 \$3,084 \$3,549 \$4,153 2016 \$4,010 \$836 \$385 \$366 \$4,800 \$2,422 \$3,075 \$4,662 \$1,587 \$5,452 \$2,377 \$1,770 \$3,357 \$4,147 \$679 \$338 \$2,028 \$1,615 \$2,742 \$3,501 \$4,065 2015 \$305 \$4,207 \$4,770 \$2,179 \$2,938 \$1,323 \$3,643 2014 \$582 \$274 \$1,112 \$3,404 \$1,296 \$1,739 \$2,182 \$2,851 \$3,295 \$3,847 \$1,665 \$2,408 \$2,961 2013 \$616 \$293 \$273 \$3,253 \$3,674 \$1,596 \$1,237 \$1,657 \$2,078 \$2,418 \$2,838 \$3,259 \$2,833 \$1,181 2012 \$2,851 \$3,206 \$868 \$331 \$360 \$2,758 \$3,113 \$936 \$1,291 \$1,646 \$1,467 \$2,495 \$1,559 \$2,403 2011 \$259 \$1,510 \$1,510 \$1,510 \$2,626 \$2,626 \$2,626 \$599 \$257 \$1,116 \$2,857 \$2,857 \$2,857 \$1,347 **GDP** from Production **GDP** from Production GDP from Income GDP from Income Induced GDP Indirect GDP \$100/\$130 \$115/\$145 \$100/\$130 \$115/\$145 Direct GDP \$85/\$115 \$85/\$115 Revenue OP Costs \$100/\$130 \$115/\$145 \$85/\$115 Year GDP GDP

GDP										
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	203
GDP from Income										

dab												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
GDP from Income												
Direct GDP	\$1,047	\$1,025	\$1,023	\$1,017	\$1,025	\$1,007	\$1,007	\$1,002	\$990	\$992	\$20,672	\$984
Indirect GDP	\$576	955\$	\$555	\$552	\$552	\$543	\$541	\$541	\$539	\$540	\$10,275	\$489
Induced GDP	\$487	\$474	\$473	\$471	\$473	\$465	\$464	\$463	\$459	\$459	\$9,284	\$442
GDP from Income	\$2,111	\$2,056	\$2,051	\$2,040	\$2,049	\$2,015	\$2,012	\$2,006	\$1,988	\$1,991	\$40,231	\$1,916
GDP from Production												
Revenue												
\$85/\$115	\$8,322	690'8\$	\$8,069	\$8,071	\$8,068	\$8,068	\$8,068	\$8,069	\$8,069	\$8,069	\$126,972	\$6,046
\$100/\$130	\$9,631	\$9,324	\$9,323	\$9,326	\$9,323	\$9,323	\$9,323	\$9,323	\$9,323	\$9,323	\$146,343	\$6,969
\$115/\$145	\$10,939	\$10,578	\$10,578	\$10,580	\$10,577	\$10,577	\$10,577	\$10,578	\$10,578	\$10,578	\$165,714	\$7,891
OP Costs	\$4,009	\$3,893	\$3,881	\$3,845	\$3,814	\$3,790	\$3,771	\$3,746	\$3,746	\$3,746	\$63,777	\$3,037
GDP from Production												
\$85/\$115	\$4,313	\$4,176	\$4,187	\$4,226	\$4,254	\$4,278	\$4,297	\$4,322	\$4,322	\$4,322	\$63,195	\$3,009
\$100/\$130	\$5,622	\$5,431	\$5,442	\$5,480	\$2,508	\$5,532	\$5,551	\$5,577	\$5,577	\$5,577	\$82,566	\$3,932
\$115/\$145	\$6,930	\$6,685	\$6,696	\$6,735	\$6,763	\$6,787	\$6,806	\$6,831	\$6,831	\$6,831	\$101,937	\$4,854
GDP												
\$85/\$115	\$6,424	\$6,232	\$6,238	\$6,266	\$6,304	\$6,293	\$6,309	\$6,328	\$6,310	\$6,313	\$103,426	\$4,925
\$100/\$130	\$7,733	\$7,486	\$7,493	\$7,520	\$7,558	\$7,548	\$7,563	\$7,583	\$7,565	\$7,567	\$122,797	\$5,847
\$115/\$145	\$9,041	\$8,741	\$8,747	\$8,775	\$8,812	\$8,802	\$8,818	\$8,837	\$8,819	\$8,822	\$142,168	\$6,770

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C3.6 - Annual Taxes Direct (\$85/\$115, \$100/\$130, \$115/\$145), Indirect, Induced Newfoundland

Total Taxes											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Direct											
\$85/\$115	\$281	\$288	\$333	\$345	\$443	\$657	689\$	\$202	\$797	\$817	\$841
\$100/\$130	\$281	\$345	\$401	\$448	\$638	\$872	\$892	\$900	\$1,077	\$1,100	\$1,167
\$115/\$145	\$281	\$403	\$470	\$551	\$846	\$1,093	\$1,113	\$1,116	\$1,369	\$1,418	\$1,482
Total Indirect	\$24	\$31	\$27	\$25	\$31	\$32	\$39	\$20	\$62	99\$	\$51
TotalInduced	\$87	\$121	\$92	\$87	\$103	\$124	\$138	\$183	\$220	\$235	\$162
Total Taxes											
\$85/\$115	\$392	\$439	\$452	\$457	\$577	\$816	\$866	\$937	\$1,079	\$1,117	\$1,054
\$100/\$130	\$392	\$497	\$521	\$260	\$772	\$1,031	\$1,069	\$1,132	\$1,358	\$1,401	\$1,380
\$115/\$145	\$392	\$554	\$589	\$663	\$980	\$1,253	\$1,290	\$1,349	\$1,651	\$1,719	\$1,695

Total Taxes												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Total Direct												
\$85/\$115	968\$	898\$	\$901	\$926	\$946	\$956	\$96\$	\$984	\$986	\$987	\$15,613	\$743
\$100/\$130	\$1,220	\$1,177	\$1,198	\$1,223	\$1,243	\$1,253	\$1,265	\$1,281	\$1,282	\$1,283	\$20,546	\$6\$
\$115/\$145	\$1,530	\$1,474	\$1,495	\$1,520	\$1,539	\$1,550	\$1,561	\$1,577	\$1,579	\$1,580	\$25,548	\$1,217
Total Indirect	\$52	\$50	\$50	\$50	\$50	\$49	\$49	\$49	\$49	\$49	\$940	\$45
Total Induced	\$166	\$162	\$161	\$160	\$161	\$158	\$158	\$158	\$156	\$156	\$3,149	\$150
Total Taxes												
\$85/\$115	\$1,115	\$1,080	\$1,113	\$1,136	\$1,157	\$1,164	\$1,175	\$1,191	\$1,191	\$1,192	\$19,702	\$6\$
\$100/\$130	\$1,438	\$1,390	\$1,410	\$1,434	\$1,454	\$1,461	\$1,472	\$1,487	\$1,488	\$1,489	\$24,635	\$1,173
\$115/\$145	\$1,748	\$1,687	\$1,707	\$1,730	\$1,751	\$1,757	\$1,769	\$1,784	\$1,784	\$1,786	\$29,637	\$1,411

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Appendix C4: Scenario 3

Table C4.1 – Annual Capital Expenditure Profile: Canada and Newfoundland

Capital											
Canada											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$1,347	\$1,467	\$1,596	\$1,665	\$2,188	\$2,537	\$2,950	\$3,953	\$5,151	\$5,521	\$5,877
Total Capex	\$905	\$2,560	\$2,011	\$2,010	\$4,009	\$4,246	\$5,639	\$2,614	\$2,710	\$1,109	\$517
Total	\$2,252	\$4,027	\$3,608	\$3,675	\$6,197	\$6,783	\$8,588	\$6,566	\$7,861	\$6,631	\$6,394
Newfoundland											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Opex	\$288	\$695	\$767	\$777	\$1,017	\$1,180	\$1,370	\$2,078	\$2,700	\$2,906	\$3,075
Total Capex	\$454	\$1,130	\$769	\$778	\$2,104	\$2,375	\$2,922	\$1,001	\$976	\$497	\$221
Total	\$1,042	\$1,822	\$1,536	\$1,556	\$3,121	\$3,555	\$4,292	\$3,079	\$3,676	\$3,403	\$3,296

Capital												
Canada											Total	Average
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2011-2031	2011-2031
Total Opex	\$5,822	\$5,637	\$5,622	\$5,586	\$5,553	\$5,529	\$5,510	\$5,482	\$5,482	\$5,162	\$89,636	\$4,268
Total Capex	\$572	\$520	\$497	\$521	\$556	\$497	\$203	\$233	\$487	\$209	\$33,523	\$1,596
Total	\$6,394	\$6,157	\$6,120	\$6,106	\$6,108	\$6,026	\$6,013	\$6,015	\$5,968	\$5,671	\$123,160	\$5,865
Newfoundland												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Total Opex	\$3,052	\$2,975	\$2,967	\$2,949	\$2,939	\$2,926	\$2,918	\$2,903	\$2,900	\$2,740	\$46,418	\$2,210
Total Capex	\$263	\$242	\$221	\$232	\$255	\$221	\$227	\$253	\$212	\$232	\$15,583	\$742
Total	¢2 21E	42 217	¢2 100	¢2 101	\$2 102	52 1.47	¢2 11E	¢2 1E6	¢2 113	¢2 071	\$62,001	¢2 0E2

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C4.2 – Annual Production and Revenue (\$85/\$115, \$100/\$130, \$115/\$145) Production (MT) **Year** Pellets

Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Pellets	8.7	13.0	15.0	15.0	23.0	23.0	23.0	42.9	54.2	64.0	64.0
Concentrate	8.7	10.7	13.0	14.5	14.6	20.5	28.6	32.1	41.1	41.6	49.7
Total	17.4	23.7	28.0	29.5	37.6	43.5	51.6	75.0	95.3	105.6	113.7
Total Revenue	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
\$85/\$115	\$2,857	\$2,403	\$2,833	\$2,961	\$3,883	\$4,387	\$5,073	\$7,658	\$9,732	\$10,900	\$11,582
\$100/\$130	\$2,857	\$2,758	\$3,253	\$3,404	\$4,447	\$5,040	\$5,846	\$8,783	\$11,162	\$12,485	\$13,287
\$115/\$145	\$2,857	\$3,113	\$3,674	\$3,847	\$5,010	\$5,692	\$6,620	\$9,907	\$12,592	\$14,070	\$14,992

Production (MT)												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Pellets	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	985.9	46.9
Concentrate	49.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	717.2	34.2
Total	113.5	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	1703.1	81.1
				•								

lotal	C'CTT	0./UI	10/.0	10/.0	TO/.0	10/.0	0./UI	0./UI	10/.D	10/.0	1/03.1	01.1
Total Revenue	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
\$85/\$115	\$11,572	\$11,068	\$11,068	\$11,068	\$11,069	\$11,069	\$11,069	\$11,070	\$11,070	\$11,070	\$175,462	\$8,355
\$100/\$130	\$13,276	\$12,683	\$12,683	\$12,683	\$12,683	\$12,683	\$12,683	\$12,684	\$12,684	\$12,684	\$200,749	\$9,559
\$115/\$145	\$14,979	\$14,297	\$14,297	\$14,297	\$14,298	\$14,298	\$14,298	\$14,299	\$14,299	\$14,299	\$226,035	\$10,764

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Table C4.3 – Annual Employment (Opex, Capex, Direct, Indirect, Induced)
Newfoundland

400000000000000000000000000000000000000											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Direct Opex	2,138	2,583	2,720	2,820	3,323	3,969	4,744	2,900	7,431	7,769	8,530
Indirect Opex	2,637	2,871	3,124	3,259	4,282	4,966	5,773	7,737	10,083	10,806	11,503
nduced Opex	1,514	1,757	1,874	1,947	2,396	2,828	3,342	4,285	5,475	5,785	6,268
Total Opex	6,289	7,210	7,718	8,025	10,001	11,762	13,860	17,922	22,989	24,361	26,301
Direct Capex	666	2,980	2,040	2,114	5,419	6,247	7,870	2,713	2,717	1,161	442
Indirect Capex	886	2,796	2,197	2,195	4,379	4,637	6,158	2,855	2,960	1,212	292
Induced Capex	849	2,495	1,780	1,824	4,358	4,919	6,277	2,349	2,379	1,003	408
Total Capex	2,836	8,271	6,017	6,133	14,156	15,804	20,305	7,917	8,056	3,376	1,415
Total Direct	3,137	5,563	4,761	4,934	8,742	10,216	12,614	8,613	10,149	8,930	8,972
Total Indirect	3,625	2,667	5,321	5,454	8,661	9,604	11,932	10,592	13,043	12,018	12,068
TotalInduced	2,363	4,252	3,653	3,770	6,754	7,747	9,620	6,635	7,854	6,788	6,677
Total	9,125	15,482	13,735	14,159	24,157	27,567	34,165	25,839	31,046	27,736	27,716

Employment												
Year	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Average
Direct Opex	8,504	8,322	8,292	8,240	8,226	8,170	8,161	8,070	8,018	7,721	133,651	6,364
Indirect Opex	11,396	11,034	11,005	10,933	10,869	10,822	10,785	10,730	10,730	10,103	175,447	8,355
Induced Opex	6,233	6,072	6,053	6,014	5,993	5,959	5,947	5,895	5,873	5,603	97,115	4,625
Total Opex	26,133	25,428	25,350	25,187	25,088	24,951	24,892	24,695	24,621	23,427	406,213	19,343
Direct Capex	510	487	454	460	496	454	464	206	440	472	39,445	1,878
Indirect Capex	624	268	543	269	209	542	250	582	531	256	36,615	1,744
Induced Capex	464	436	410	420	451	409	417	451	398	424	32,921	1,568
Total Capex	1,598	1,491	1,407	1,448	1,553	1,405	1,431	1,539	1,369	1,451	108,980	5,190
Total Direct	9,014	8,809	8,746	8,700	8,722	8,624	8,625	8,577	8,458	8,193	173,095	8,243
Total Indirect	12,020	11,602	11,548	11,502	11,476	11,365	11,335	11,312	11,261	10,659	212,062	10,098
Total Induced	6,697	6,508	6,463	6,434	6,444	6,368	6,364	6,346	6,272	6,027	130,036	6,192
Total	27,731	26,919	26,757	26,636	26,642	26,357	26,323	26,235	25,990	24,878	515,194	24,533

Economic Impact Analysis of Iron Ore Mining Industry in Labrador

Fable C4.4 – Annual I	ncome ((Opex, Ca	apex, Dir	ect, Ind	(Opex, Capex, Direct, Indirect, Induced) Newfoundland	uced) No	ewfound	land			
Income											
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Direct Opex	\$314	\$380	\$400	\$414	\$488	\$583	\$697	\$867	\$1,092	\$1,142	\$1,254
Indirect Opex	\$211	\$230	\$250	\$261	\$343	\$397	\$462	\$619	\$806	\$864	\$920
Induced Opex	\$158	\$183	\$195	\$203	\$249	\$294	\$348	\$446	\$570	\$602	\$652
Total Opex	\$683	\$792	\$845	\$878	\$1,080	\$1,275	\$1,507	\$1,932	\$2,468	\$2,608	\$2,826
Direct Capex	\$205	\$613	\$419	\$435	\$1,114	\$1,284	\$1,617	\$558	\$228	\$239	\$91
Indirect Capex	\$86	\$243	\$191	\$191	\$381	\$404	\$536	\$248	\$258	\$105	\$49
Induced Capex	\$87	\$257	\$183	\$188	\$448	\$506	\$646	\$242	\$245	\$103	\$42
Total Capex	\$379	\$1,113	\$794	\$813	\$1,943	\$2,194	\$2,799	\$1,048	\$1,061	\$447	\$182
Total Direct	\$520	\$992	\$819	\$849	\$1,602	\$1,867	\$2,315	\$1,425	\$1,651	\$1,380	\$1,345
Total Indirect	\$297	\$473	\$441	\$452	\$724	\$801	\$66\$	\$867	\$1,064	\$970	\$969
Total Induced	\$245	\$440	\$378	\$390	\$69\$	\$800	\$994	\$688	\$814	\$705	\$694
Total	\$1,061	\$1,905	\$1,638	\$1,691	\$3,024	\$3,469	\$4,306	\$2,980	\$3,529	\$3,055	\$3,008