



A Profile of the
**PROFESSIONAL,
SCIENTIFIC AND TECHNICAL
SERVICES SECTOR
IN NEW BRUNSWICK**

September 2021

NBjobs.ca

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Note: This profile includes data from a variety of sources that use different methodologies and are subject to periodic retroactive revisions. As a result, data from one source may not match with data from other datasets. Information about the sources and methodologies used are available upon request. In some instances source data points have been suppressed. Where this occurs, the data values presented have been inferred from non-suppressed data. Also, some totals may not equal the sum of their components due to rounding.

Sector Definition

The Professional, Scientific and Technical Services sector consists of establishments that are primarily engaged in activities in which human capital is the major input. These establishments make available the knowledge and skills of their employees, often on an assignment basis. The main components of this sector are legal services; accounting, tax preparation, bookkeeping and payroll services; architectural, engineering and related services; specialized design services; computer systems design and related services; management, scientific and technical consulting services; scientific research and development services; and advertising, public relations, and related services. In most of these industries, equipment and materials are not of major importance. Establishments primarily engaged in providing instruction and training in a wide variety of subjects and those primarily engaged in providing health care by diagnosis and treatment are not included in this sector.

The scope of this profile includes North American Industry Classification System (NAICS 2017) sector 54.

Legend



Current Business Environment

GDP* and Productivity

In 2019:

- The Professional, Scientific and Technical Services sector represented 3.5% of New Brunswick's (NB) GDP, contributing \$1.0 billion (chained 2012 dollars)^{1,2}
- NB Labour Productivity^{2,3} (a measure of productivity based on GDP per hour worked in the sector):
 - This sector – \$39.93 output per hour of work (chained 2012 dollars)
 - Average of all sectors – \$48.47 output per hour of work (chained 2012 dollars)

* Gross Domestic Product

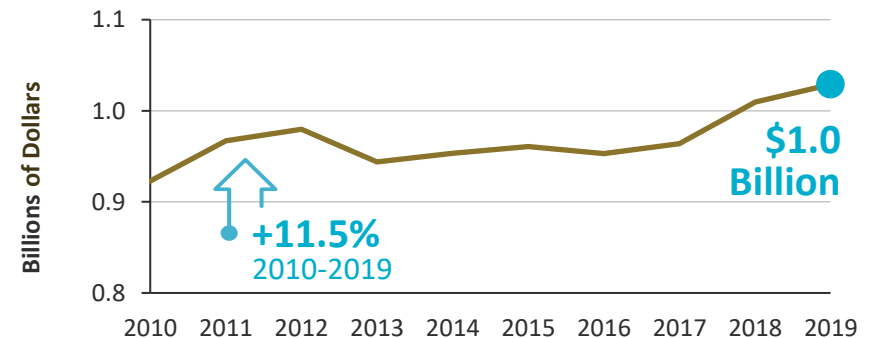
Proportion of GDP in NB: 2019¹ Professional, Scientific and Technical Services Sector

Professional,
Scientific and
Technical
Services
3.5%



All other
sectors
96.5%

Real GDP² NB Professional, Scientific and Technical Services Sector (at Basic Prices, Chained 2012 Dollars)



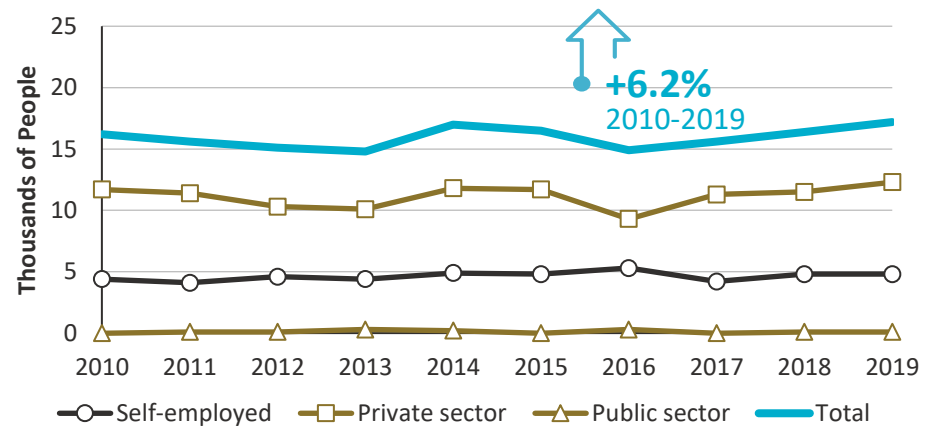
Employment in New Brunswick

In 2019:

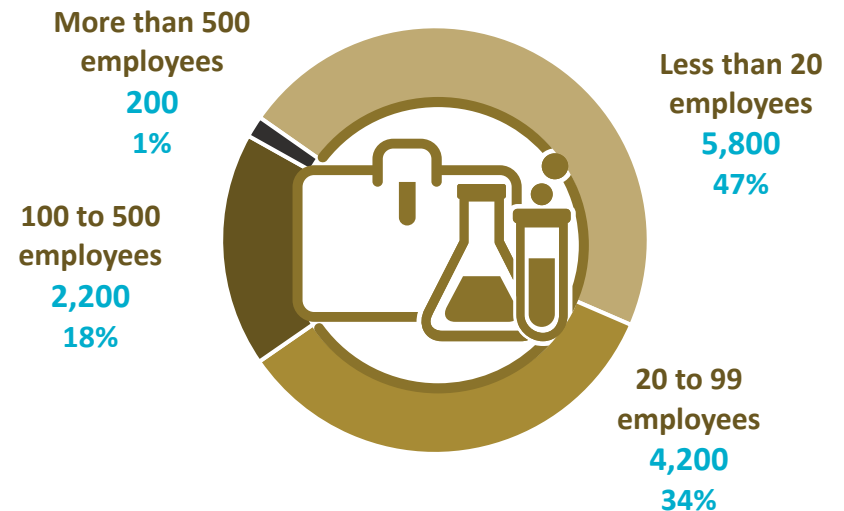
- 17,200 were employed in the NB Professional, Scientific and Technical Services sector (85.5% full-time, 14.5% part-time)⁴
- 700 were unemployed⁴
- 4.8% of all employed in NB worked in this sector⁴
- 1.6% of employees in this NB sector were part of a union and/or covered by a collective agreement – versus 29.1% of all employees in the Province⁵



Employment: 2010-2019⁶ NB Professional, Scientific and Technical Services Sector



Employment by Size of Employer: 2019⁷ NB Professional, Scientific and Technical Services Sector



*This chart does not include the self-employed.

NB Unemployment Rate: 2019⁴

Professional, Scientific And Technical Services Sector vs All Sectors



Human Resources Profile

Demographics

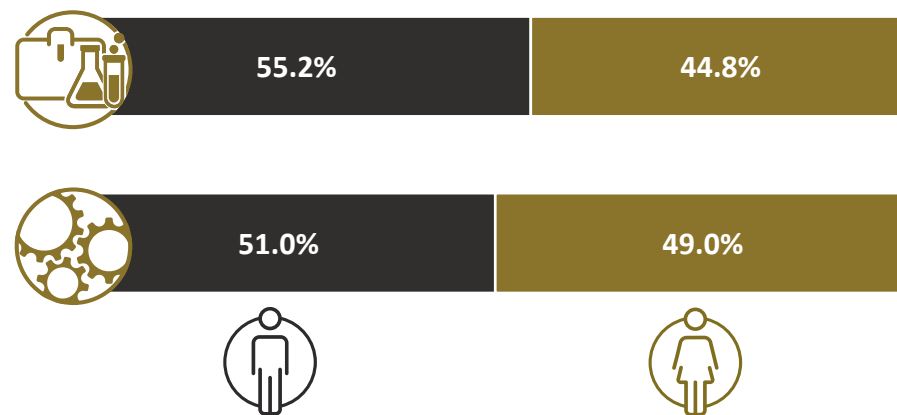
In 2019:

- 18,000 people were part of the labour force in the NB Professional, Scientific and Technical Services sector, of which 17,200 were employed⁴

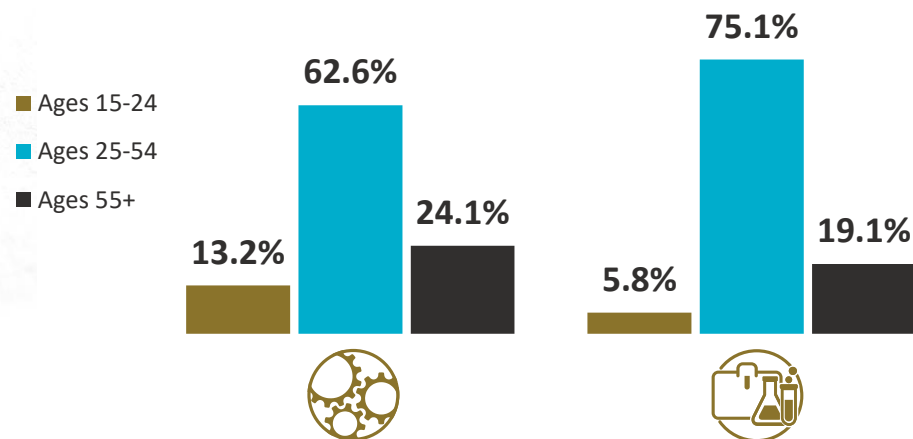
From 2010 to 2019:

- The percentage of females employed in the sector decreased from 46.9% to 44.8%⁴
- The percentage of workers employed in this sector:⁴
 - Ages 15-24 decreased 2.8 percentage points
 - Ages 25-54 increased 5.8 percentage points
 - Ages 55 and over decreased 3.0 percentage points

NB Employment by Sex: 2019⁴
Professional, Scientific and Technical Services Sector vs All Sectors



NB Employment by Age: 2019⁴
Professional, Scientific And Technical Services Sector vs All Sectors



Major Occupations

In 2019:

- 24.7% of those working in the NB Professional, Scientific and Technical Services sector worked in one of the five National Occupation Code (NOC) occupations listed in the table to the right⁸
- These 3,900 employees represented 1.1% of all employed in NB⁸



| Major Occupations: 2019 ⁸ | | |
|---|----------|------|
| NB Professional, Scientific and Technical Services Sector | | |
| Occupation | Employed | NOC |
| Financial auditors and accountants | 1,100 | 1111 |
| Lawyers and Quebec notaries | 900 | 4112 |
| Information systems analysts and consultants | 800 | 2171 |
| Computer programmers and interactive media developers | 600 | 2174 |
| Accounting technicians and bookkeepers | 500 | 1311 |

Wage and Salary Information

In 2019:

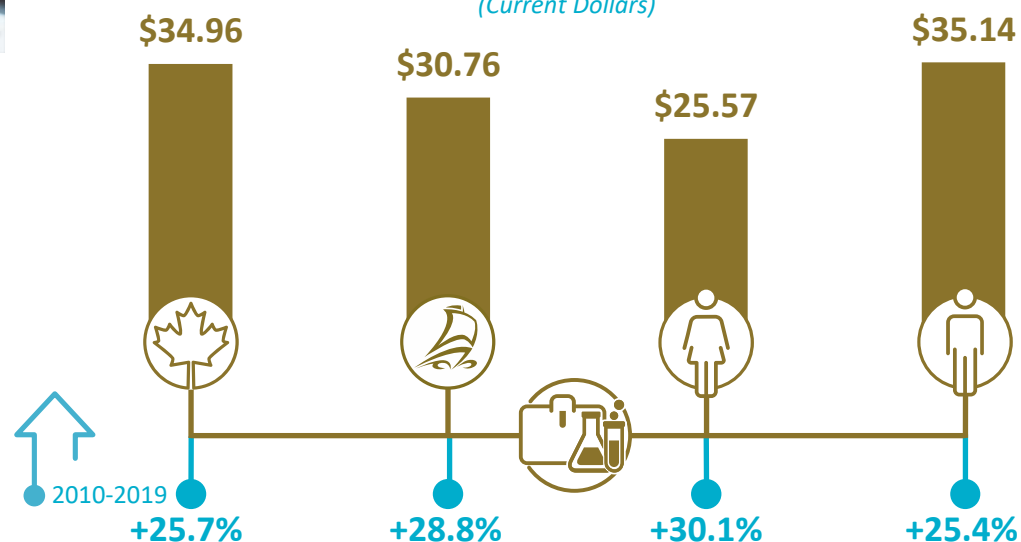
- The average wage in the NB Professional, Scientific and Technical Services sector (\$30.76) was greater than the average NB wage across all sectors (\$23.49)⁹

From 2010 to 2019:

- The relative change in the sector's average wage (+28.8%) was greater than the relative change in the average NB wage across all sectors (+23.2%)⁹

Average Hour Wage: 2019⁹

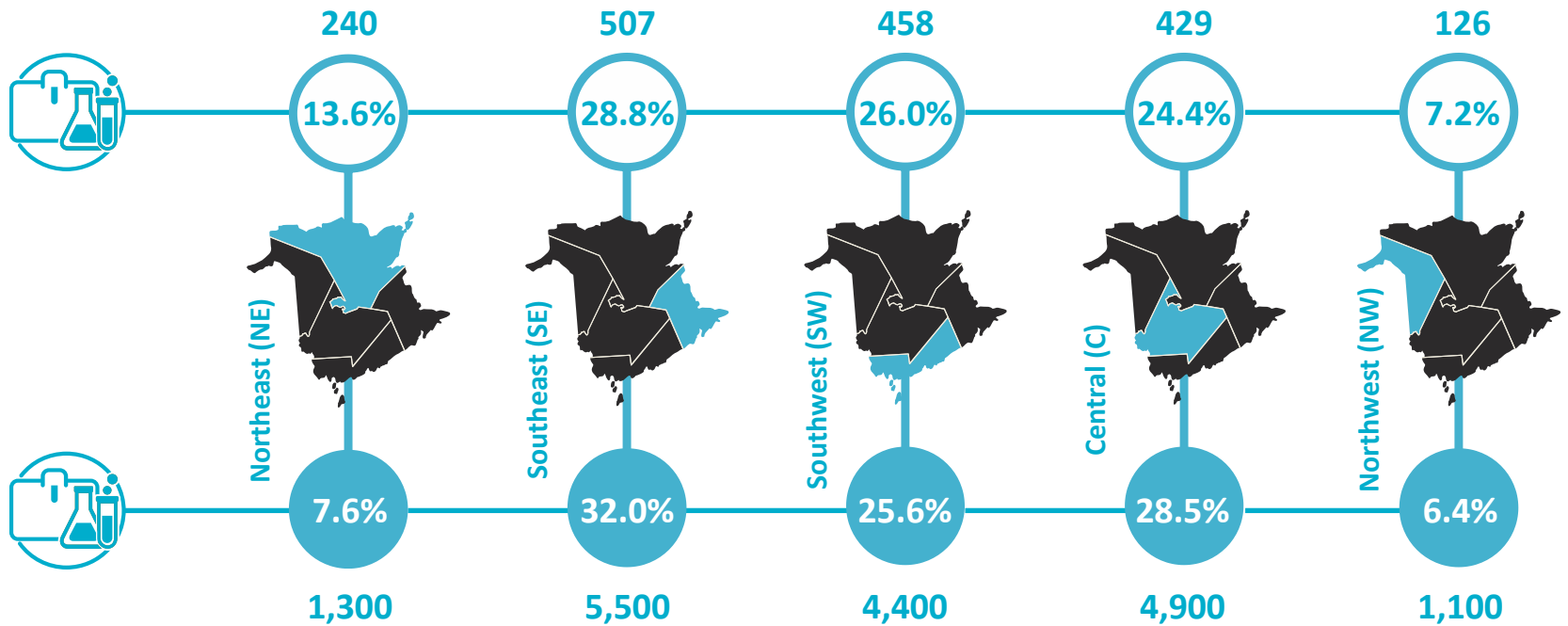
Professional, Scientific and Technical Services Sector
(Current Dollars)



Regional Highlights

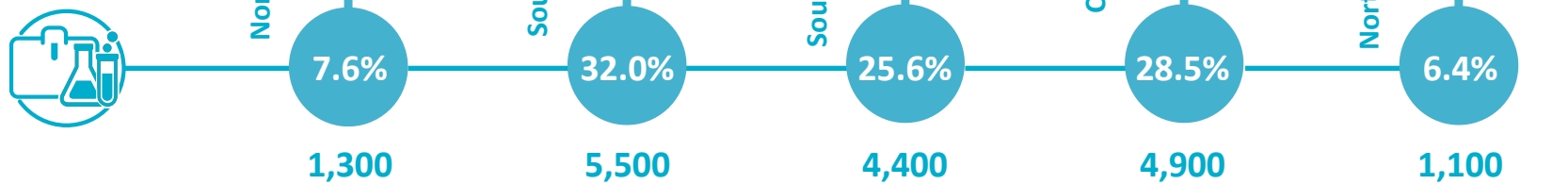
Employers

Regional Distribution: 2019¹⁰



Employed

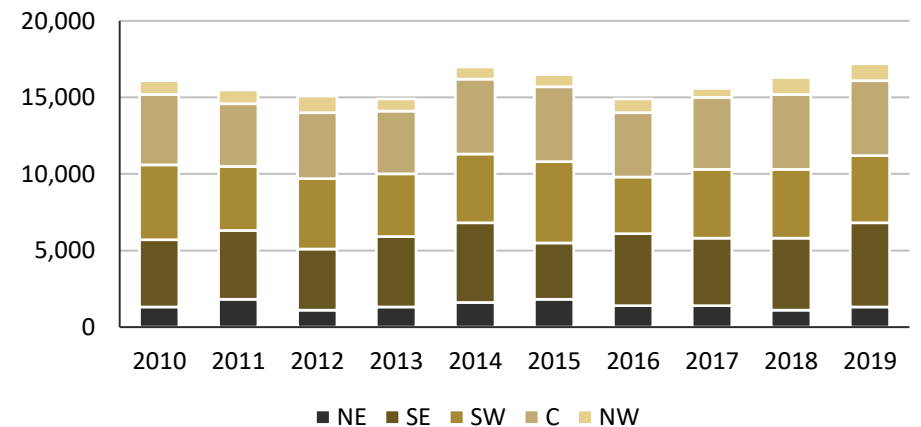
Regional Distribution: 2019¹¹



Number of Regional Employers by Employment Size: 2019¹⁰
NB Professional, Scientific and Technical Services Sector

| Region | 1-9 | 10-49 | 50-199 | 200+ | Total |
|--------------|--------------|------------|-----------|----------|--------------|
| NE | 215 | 23 | 2 | 0 | 240 |
| SE | 429 | 66 | 12 | 0 | 507 |
| SW | 385 | 57 | 13 | 3 | 458 |
| C | 333 | 79 | 15 | 2 | 429 |
| NW | 113 | 12 | 1 | 0 | 126 |
| Unknown | 47 | 1 | 0 | 0 | 48 |
| TOTAL | 1,522 | 238 | 43 | 5 | 1,808 |

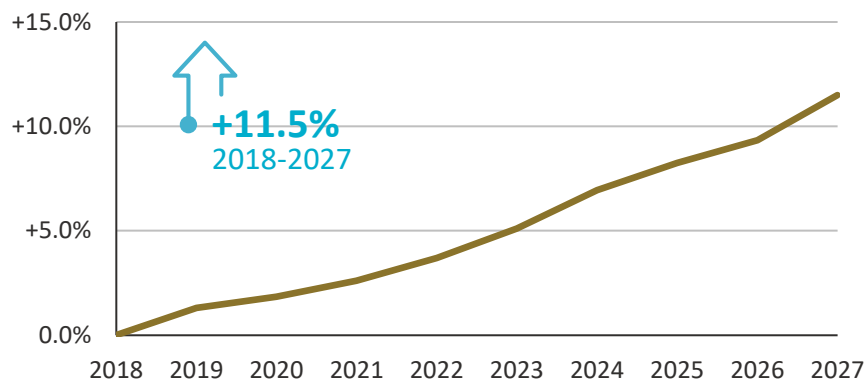
Employment by Economic Region: 2010-2019¹¹
NB Professional, Scientific and Technical Services Sector



Business Outlook 2018-2027

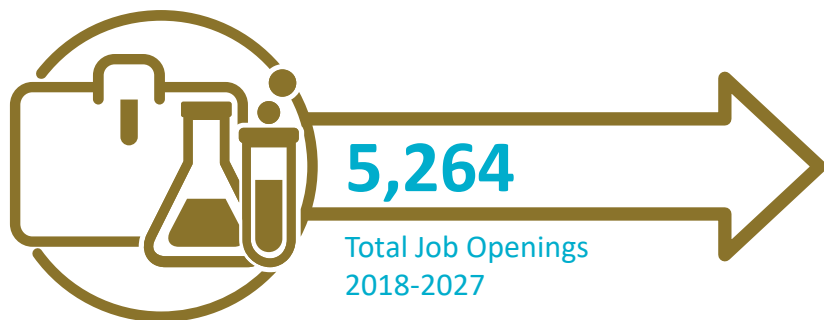
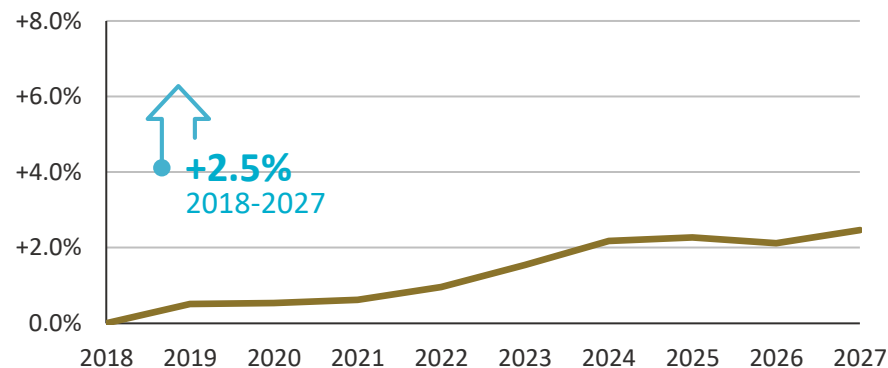
GDP Forecast

Forecasted Change in Real GDP⁸
NB Professional, Scientific and Technical Services Sector
(Relative to 2018)



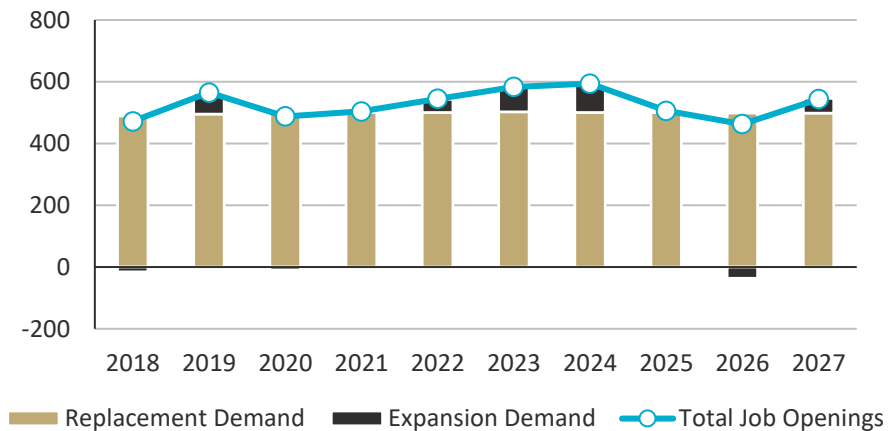
Employment Forecast

Forecasted Change in Employment⁸
NB Professional, Scientific and Technical Services Sector
(Relative to 2018)



Forecasted Job Openings⁸

NB Professional, Scientific and Technical Services Sector



Links for Further Information

Government Sources

- NBjobs.ca
- Labour Market Information
- Sector Definitions - North American Industry Classification System, 2017 (NAICS)
- Classification of Occupations - National Occupational Classification, 2016 (NOC)

Sector Associations

- Architects' Association of New Brunswick
- Association of New Brunswick Land Surveyors
- Chartered Professional Accountants New Brunswick
- Engineers and Geoscientists of New Brunswick
- Information Technology Association of Canada
- Law Society of New Brunswick

For Additional Information Contact:

New Brunswick Department of Post-Secondary Education,
Training and Labour

lmi@gnb.ca

Prepared by:



Data Sources

- ¹ Statistics Canada, Table 36-10-0400
- ² Statistics Canada, Table 36-10-0402
- ³ Statistics Canada, Table 36-10-0489
- ⁴ Statistics Canada, Table 14-10-0023
- ⁵ Statistics Canada, Table 14-10-0070
- ⁶ Statistics Canada, Table 14-10-0027

- ⁷ Statistics Canada, Table 14-10-0068
- ⁸ Stokes Economics, Customized New Brunswick Forecast
- ⁹ Statistics Canada, Table 14-10-0064
- ¹⁰ Statistics Canada via the Community Data Program
- ¹¹ Statistics Canada, Table 14-10-0392

