



Municipal Report



Municipality of the County of Cumberland

Department of Municipal Affairs

Municipal Profile and
Financial Condition Indicators Results

2018

TABLE OF CONTENTS

1 – Introduction	1
2 – Municipal Highlights	2
2.1 General Information About the Municipality	2
2.2 Population Highlights	2
2.3 Financial Highlights	3
2.4 Financial Condition Indicators	5
2.4.1 Financial Condition Indicators in House Format	6
2.4.2 Two-Year Comparison of Financial Condition Indicators	7
3 – Municipal Profile information	8
3.1 Municipal Composition	8
3.2 Population Trends	8
3.3 Economic Indicators	10
4 – Financial Information	11
4.1 Revenue	11
4.2 Expenses	15
5 – Financial Condition Indicators	18
Appendix I – Additional Resources	26
Nova Scotia Government’s Open Data Portal	26
Municipal Website	26
About Us	26



1 – INTRODUCTION

The Department of Municipal Affairs, on behalf of the Nova Scotia Government and Association of Municipal Administrators of Nova Scotia (AMANS), compiles municipal indicators that focus on financial matters, administration of the municipality and characteristics of the community.

Prior to 2017, this information was structured into two separate reports – the Financial Condition Indicator and the Municipal Profile reports. This report brings together both sets of statistics (financial and demographic) to give an overall snapshot for each municipality.

You can use this report to:

- help community members better understand the municipality in which they live
- better understand the key characteristics about the municipality
- better understand financial risks, and
- help inform the decision-making process

For example

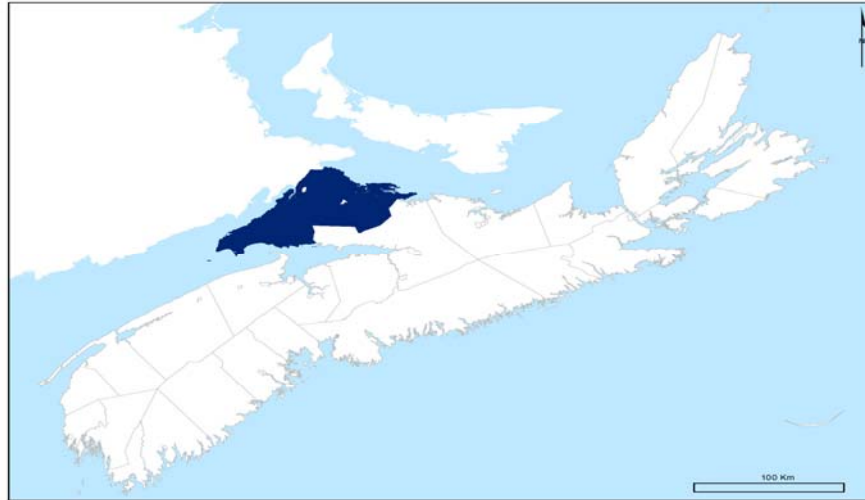
Council and Community members can:

- compare the Three-Year Change in Tax Base indicator to understand the municipality's revenue growth in comparison to cost of living, and
- use the change in population to understand whether their community's population is growing or declining and potential impact on municipal revenues and expenses.

2 – MUNICIPAL HIGHLIGHTS

2.1 General Information About the Municipality

The County of Cumberland (“the Municipality”) is a rural municipality located in Cumberland County. It is approximately 4,248 km² with 13,386 dwellings.



2.2 Population Highlights

From 2011 to 2016, the population of Cumberland County decreased by 0.4%. Similarly, the population of the County of Cumberland decreased by 5.3%. The Municipality's population is aging: currently, 46% of residents are between 20 and 59 years of age.

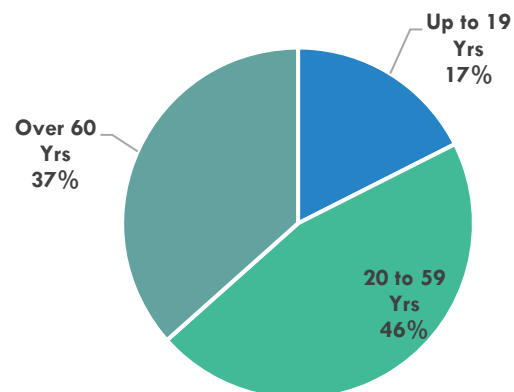


19,405

Population

-5.3%

5 Year Change in
Population

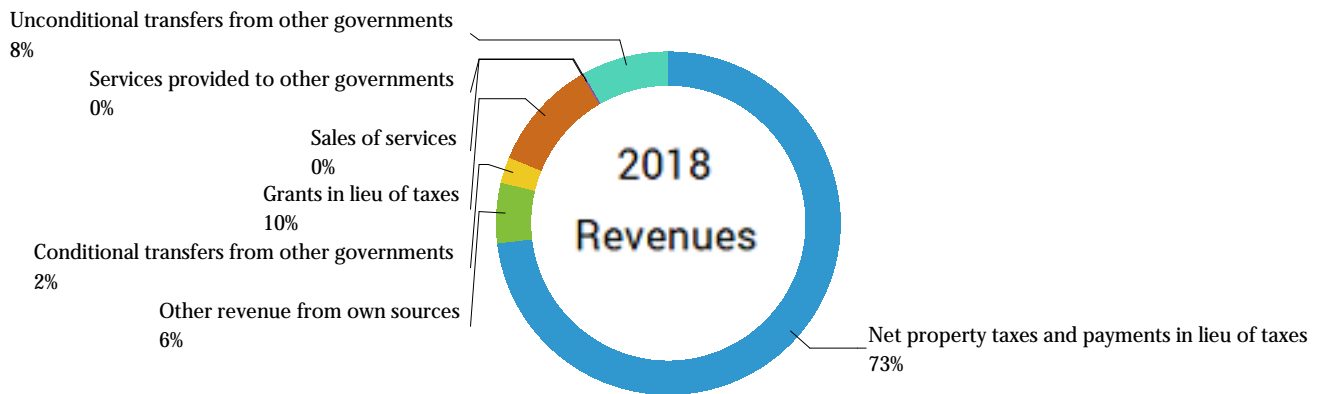


2.3 Financial Highlights

\$21.8 M

2018 General Operating Budget

General Operating Revenue Sources per 2018 Financial Information Return ¹

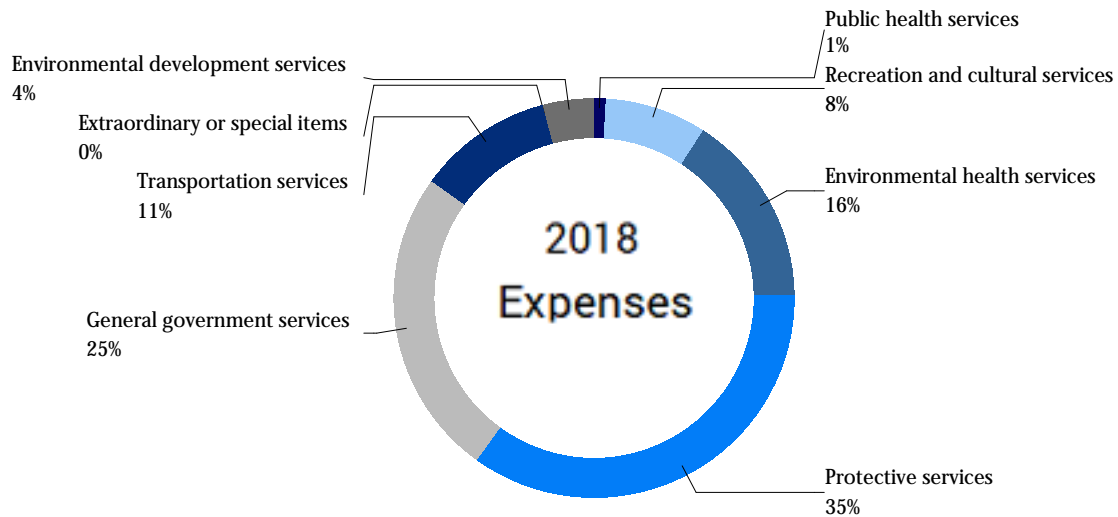


The total generating operating revenue for 2017-18 was \$21.8 million. The County of Cumberland is self-financing, deriving most of their revenue from own source revenue instruments. As shown in the pie chart above, revenue sources for Cumberland are comprised of:

- ◆ 16.0 million (73%) Net property taxes and payments in lieu of taxes
- ◆ 2.3 million (10%) Grants in lieu of taxes
- ◆ 1.8 million (8%) Unconditional transfers from other governments
- ◆ 1.2 million (6%) Other revenue from own sources
- ◆ 0.5 million (2%) Conditional transfers from other governments
- ◆ 0.0 million (0%) Services provided to other governments
- ◆ 0.0 million (0%) Sales of services

¹ Municipalities submit the Financial Information Return (FIR) to the Department of Municipal Affairs annually and this report contains financial information for the year ended March 31, 2018.

General Operating Expense Categories per 2018 Financial Information Return



The total generating operating expenses for 2017-18 was \$20.9 million. As shown in the pie chart above, expenses for Cumberland are comprised of:

- ◆ 7.3 million (35%) Protective services
- ◆ 5.2 million (25%) General government services
- ◆ 3.3 million (16%) Environmental health services
- ◆ 2.3 million (11%) Transportation services
- ◆ 1.7 million (8%) Recreation and cultural services
- ◆ 0.9 million (4%) Environmental development services
- ◆ 0.2 million (1%) Public health services
- ◆ 0.0 million (0%) Extraordinary or special items

2.4 Financial Condition Indicators

The Financial Condition Indicators (FCIs) were developed to help present a sense of municipal financial information by condensing multiple sources of information into a single 'House Format' graph. This visual focuses on key performance indicators, leading financial indicators and potential internal and external factors that could have an impact on a municipality's financial results. The House Model on the next page presents 13 indicators organized into three dimensions: base, structure and roof.

Each of a municipality's indicators is assessed against risk thresholds: low risk (green), moderate risk (yellow) and high risk (red). This provides a quick visual of a municipality's strengths and possible areas where a municipality may want to focus its attention.

The County of Cumberland has seven indicators assessed as low risk (well within the recommended threshold), five indicators assessed as moderate risk, and one indicator assessed as high risk.

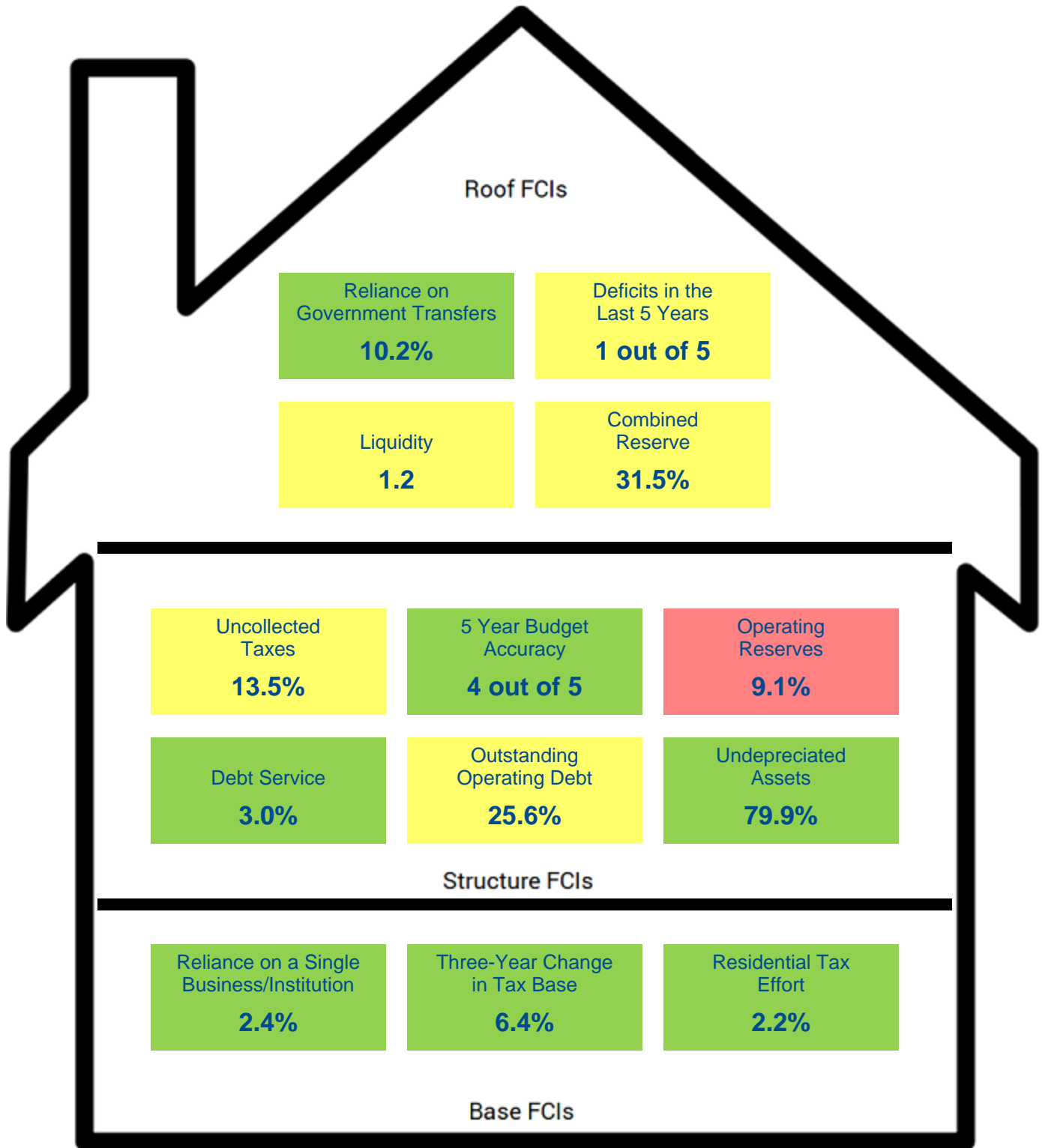
Reviewing the combined FCIs, the Department calculates an overall assessment for fiscal instability:

- High-risk (7 or less FCIs meets threshold)
- Moderate-risk (8-9 FCIs meets threshold)
- Low-risk (10-13 FCIs meets threshold)

The overall Financial Conditions Index assessment for the County of Cumberland is red (high risk). This means the Municipality is experiencing significant challenges to fiscal instability. It is important to note that through careful strategic planning and appropriate action a municipality's fiscal stability can be strengthened. Thus, it is critical the Municipality review the potential risks along with any relevant additional inquiry or analysis. To support this effort, the Department will provide assistance, templates/guides, along with the requirement to submit an action plan which will detail the steps the Municipality will take to help mitigate the risks identified.

The following pages provide details on the individual FCI assessments and the Municipality's specific challenges. For more in-depth information on the FCIs, please refer to Section 5.

2.4.1 Financial Condition Indicators in House Format



2.4.2 Two-Year Comparison of Financial Condition Indicators

BASE	2018	2017	+/-	2018 Rural Avg.
3-year Change in Tax Base	● 6.4%	● 12.6%	-6.2%	6.4%
Reliance on a Single Business or Institution	● 2.4%	● 2.3%	0.0%	3.6%
Residential Tax Effort	● 2.2%	● 2.1%	0.1%	2.1%
STRUCTURE				
Uncollected Taxes	● 13.5%	● 13.7%	-0.2%	8.9%
5 Year Budget Accuracy	● 4/5	● 4/5	0	3.7/5
Operating Reserves	● 9.1%	● 16.1%	-7.1%	46.2%
Debt Service	● 3.0%	● 2.9%	0.1%	4.5%
Outstanding Operating Debt	● 25.6%	● 14.7%	10.8%	4.3%
Undepreciated Assets	● 79.9%	● 77.4%	2.5%	61.7%
ROOF				
Deficits in the Last 5 Years	● 1/5	● 2/5	-1	0.4/5
Liquidity	● 1.2	● 1.2	0.0	3.3
Reliance on Government Transfers	● 10.2%	● 7.7%	2.6%	3.9%
Combined Reserve	● 31.5%	● 38.8%	-7.2%	75.1%

3 – MUNICIPAL PROFILE INFORMATION

Municipalities are diverse and operate within unique demographic and economic characteristics. These characteristics have a significant impact on municipal performance and subsequent strategies required to ensure a sustainable environment. This chapter outlines the unique demographic and economic characteristics of the Municipality, specifically its composition, population trends, demographics, median household income levels, employment rates, and educational attainment.

3.1 Municipal Composition

Located in Cumberland County, the County of Cumberland is a rural municipality² with 13 elected councillors, including the Warden.

In geographic area, the Municipality is approximately 4,248 km² with 13,386 dwellings.

3.2 Population Trends

The County of Cumberland's population is 19,405, which makes up 2.1% of the provincial population. The graph below shows Cumberland's 20-year trend compared to the rural average. Please note the Town of Springhill and the Town of Parrsboro became part of the County of Cumberland as of April 1st, 2015 and November 1st, 2016 respectively. For comparison purposes, the population of both towns is included for all 20 years.

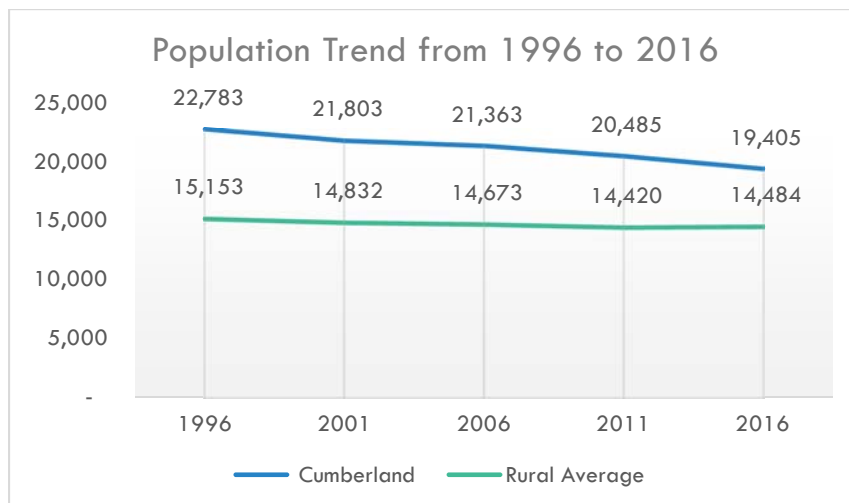


Figure 1 - Population from 1996-2016. Source: Statistics Canada.

² There are three categories of municipalities: regionals, towns and rurals. Rural municipalities are counties or districts.

Figure 2 shows Cumberland’s population is aging.

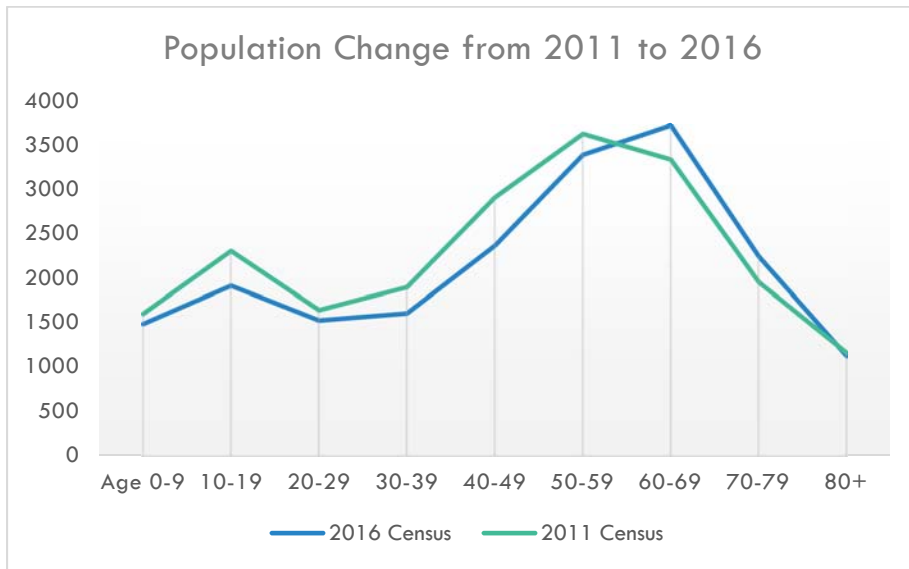


Figure 2 - Comparison of Population by Age for 2011 and 2016. Source: Statistics Canada.

According to the 2016 Census, similar to most rural municipalities in Nova Scotia, the majority of Cumberland’s citizens are between the ages of 40 and 69.

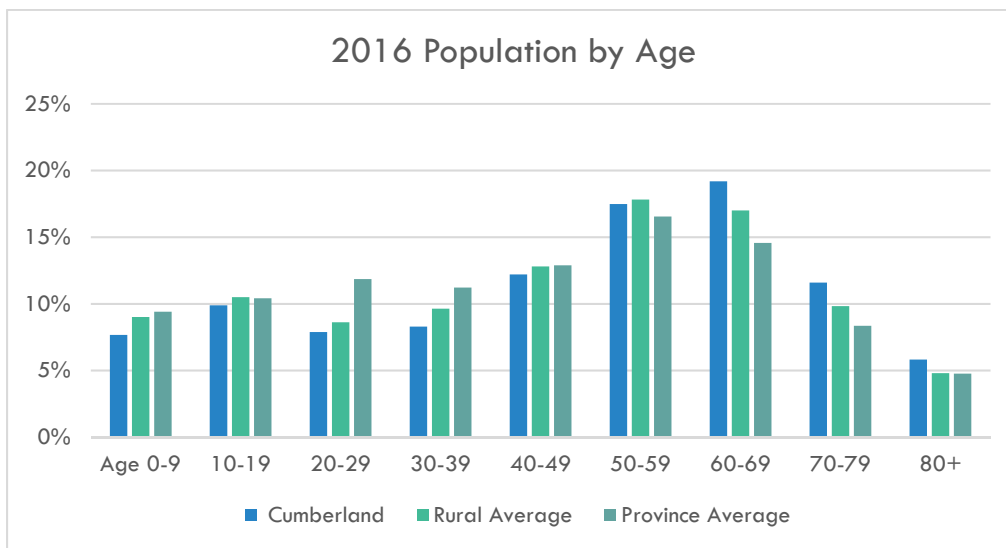


Figure 3 - 2016 Population by Age. Source: Statistics Canada.

These population trends could have impacts on the current and potential future tax base for the County of Cumberland, as 73% of Cumberland’s General Operating Revenue is derived from property taxes.

3.3 Economic Indicators

Along with population trends, it is important to understand employment rates and median household income. Education levels can also play a crucial role in economic and social progress and can help improve income distribution. These factors can provide an indication of the well-being of the economy and labour force.

	2016 Census	2011 Census	+/-	2016 Rural Avg.
Median Household Income	\$52,256	\$43,385	\$8,871	\$57,294
Employment Rate	47.2%	54.7%	-7.5%	50.1%
Education Beyond High School	47.9%	51.6%	-3.6%	49.4%

Source: 2011 and 2016 Statistics Canada Census

In a healthy economy, the unemployment rate is between 3% and 5%. The County of Cumberland's employment rate is below the rural average and has declined.

Cumberland's education level is lower than the rural average and has decreased since 2011.

Cumberland's median household income is lower than the rural average, although it has increased since 2011.

4 – FINANCIAL INFORMATION

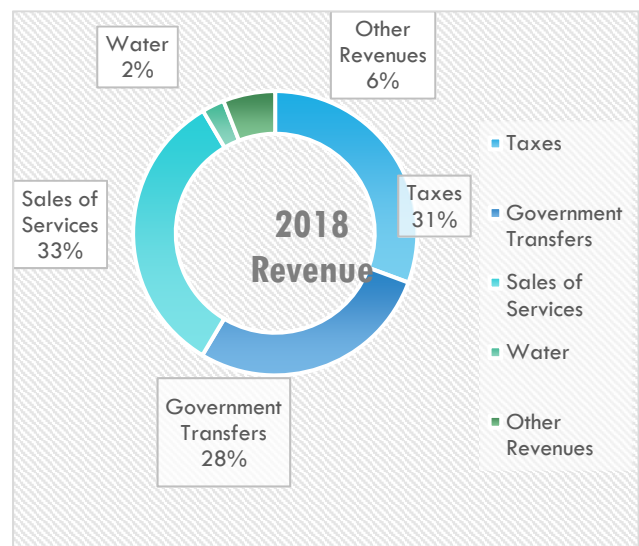
4.1 Revenue

Audited financial statements are presented on a consolidated basis. Consolidated financial statements are comprised of all the individual funds managed by the municipality and any organization or enterprise the municipality owns or controls. Consolidated financial statements reflect all these entities as one single reporting entity.

The municipality's non-consolidated financial statements³ present only the individual funds managed by the municipality such as the General Operating Fund, General Capital Fund, Water Operating Fund, Water Capital Fund, Non-operating Reserve Fund, and the Operating Reserve Fund.

As per the Consolidated Financial Statements of the County of Cumberland, the Municipality is accountable for the following entities, as well as general municipal operations:

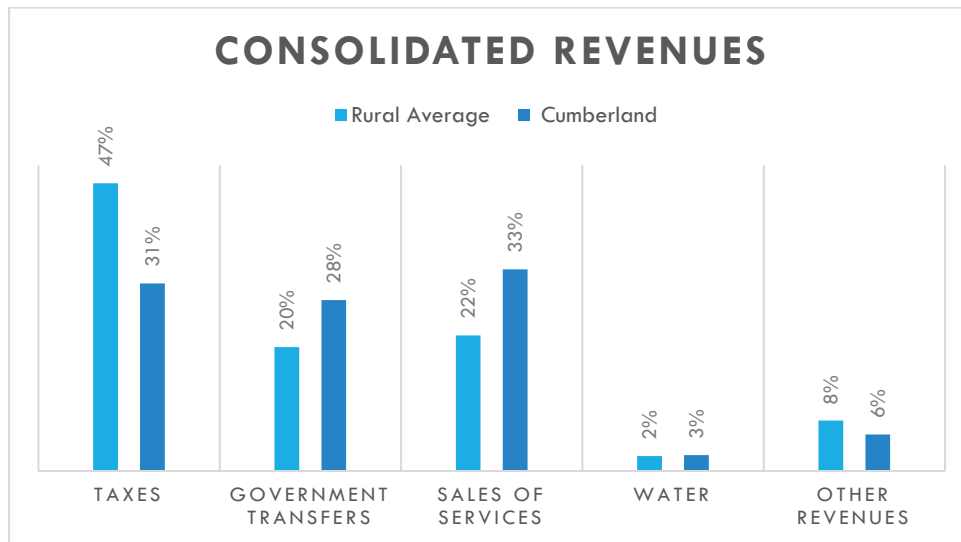
- Water Utility
- Cumberland Senior Care Corporation
- Sunset Residential and Rehabilitation Services
- Cumberland Joint Service Management (60%)



Cumberland's total consolidated revenue including those entities for 2017-18 was \$56.7 million.

³ Please be advised that, although the Department reconciles, at a high level, a municipality's non-consolidated financial statements to the consolidated financial statements, the non-consolidated financial statements are usually not audited nor presented in full accordance with Canadian public sector accounting standards.

As shown in graph below, the Municipality's revenue is divided into five categories on a consolidated basis and is compared to the rural average.

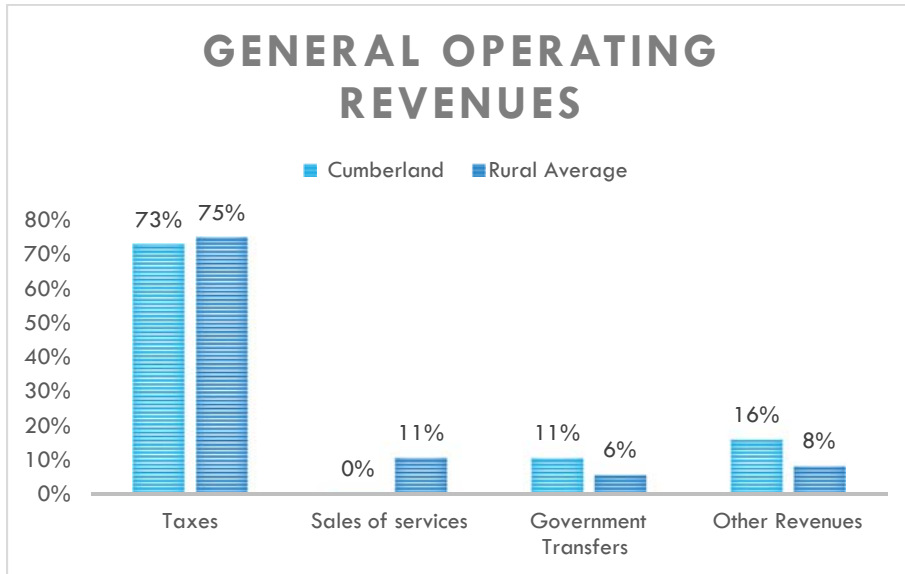


To fund its expenditure responsibilities, the County of Cumberland relies on taxes for 31% of its revenue. In 2018, 72%⁴ of municipal revenues was generated from Cumberland's own sources, while 28%⁵ was dependent on transfers from other levels of government.

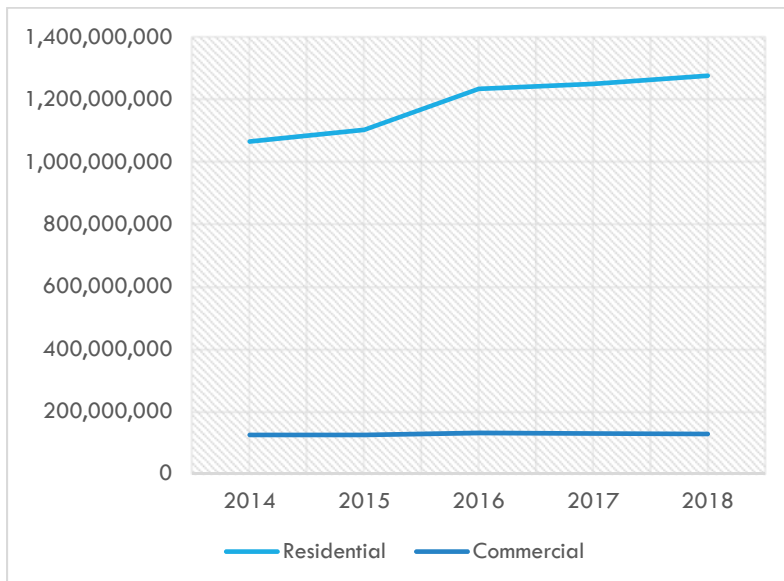
⁴ Including Taxes, Sales of Services, Water (if applicable), and Other Revenues. Sales of Services include all sales of services provided to individuals, businesses and other governments. Other Revenues include grants in lieu of taxes, other revenues from own sources and net income from government business enterprises.

⁵ Including unconditional and conditional transfers from federal, provincial and other local governments for municipal operations and capital infrastructure projects.

The graph below shows the Municipality’s revenue from municipal operations only or from the Municipal General Operating Fund.



A municipality’s ability to raise revenue through property tax is dependent on its taxable assessment base. Since property taxes are a primary source of revenue for most municipalities, special emphasis has been placed on reviewing assessment trends. The line graph below shows residential and commercial trends for the last five years.



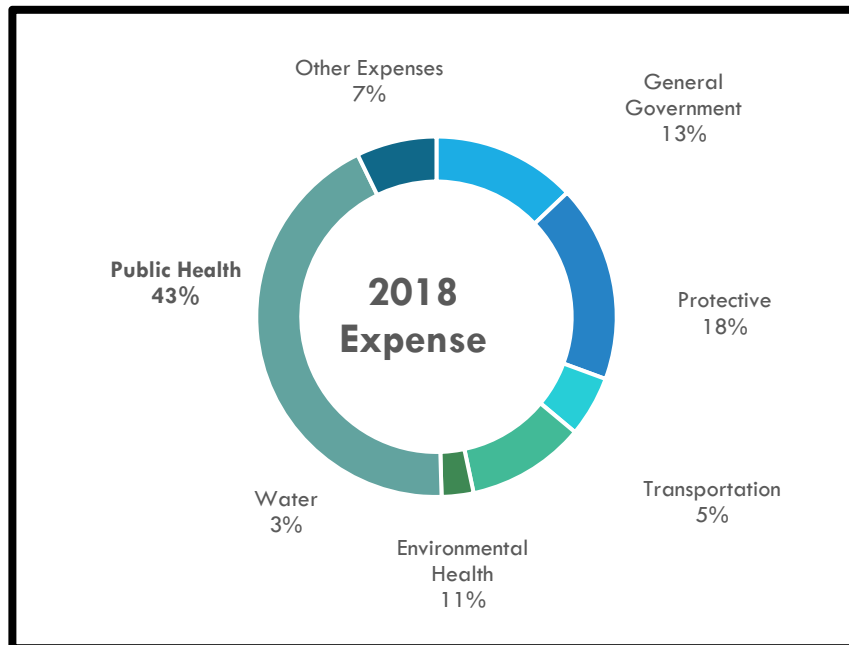
Based on 2018 Financial Condition Indicators related to municipal revenues, the Municipality's general operating revenue is stable. The County of Cumberland's tax assessment growth is above the Consumer Price Index (CPI). This indicates that the Municipality's tax base was able to cover the increasing cost of municipal services and programs.



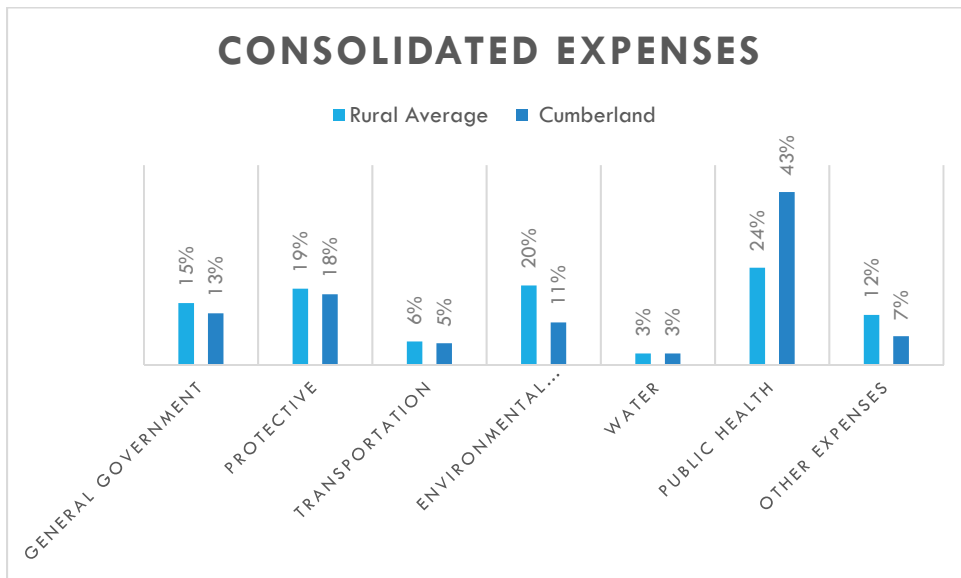
- Since the Municipality's tax base is not dependent on one single business or institution, it is not showing a vulnerability in this area.
- The Residential Tax Effort Indicator, which can assess the affordability of the Municipality's taxes in relation to the current service levels, indicates that the Municipality has some flexibility to increase the taxes if required.
- The Municipality is experiencing challenges managing tax revenue collection.

4.2 Expenses

Total consolidated expenses were \$41.8 million. Public Health Service expenses make up 43% of total expenses. Public Health Service expenses are the expenses of Cumberland Senior Care Corporation and Sunset Residential and Rehabilitation Services

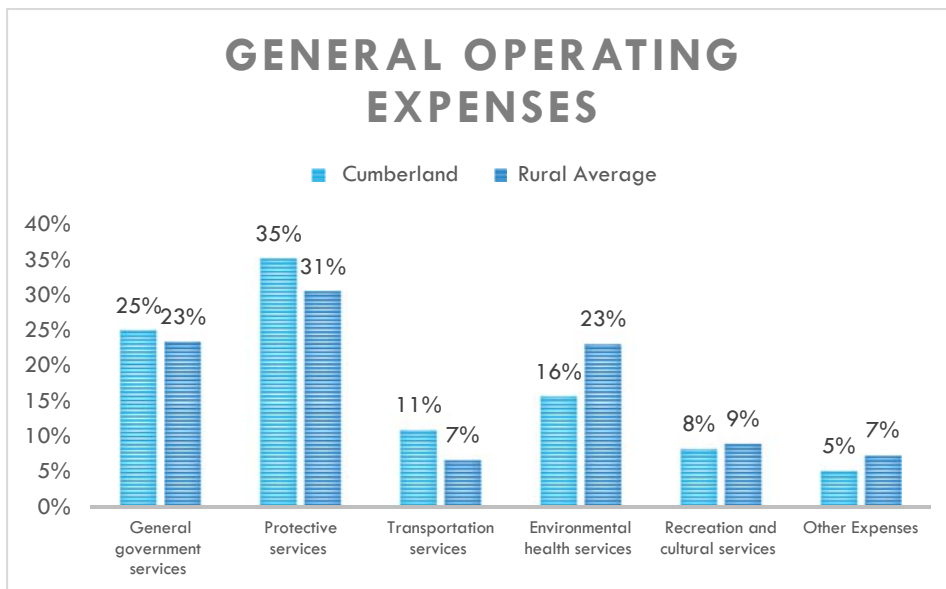


The graph below shows the County of Cumberland's expense by function on a consolidated basis compared to the rural average.

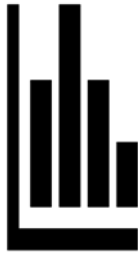


Please note other expenses in Other operating expenses include Environmental Development Services, Recreation and Cultural Services, Electric Expenses (if applicable) and Extraordinary or Special Items.

The graph below shows the expenses by function for the municipal operations or General Operating Fund expenses compared to the rural average.



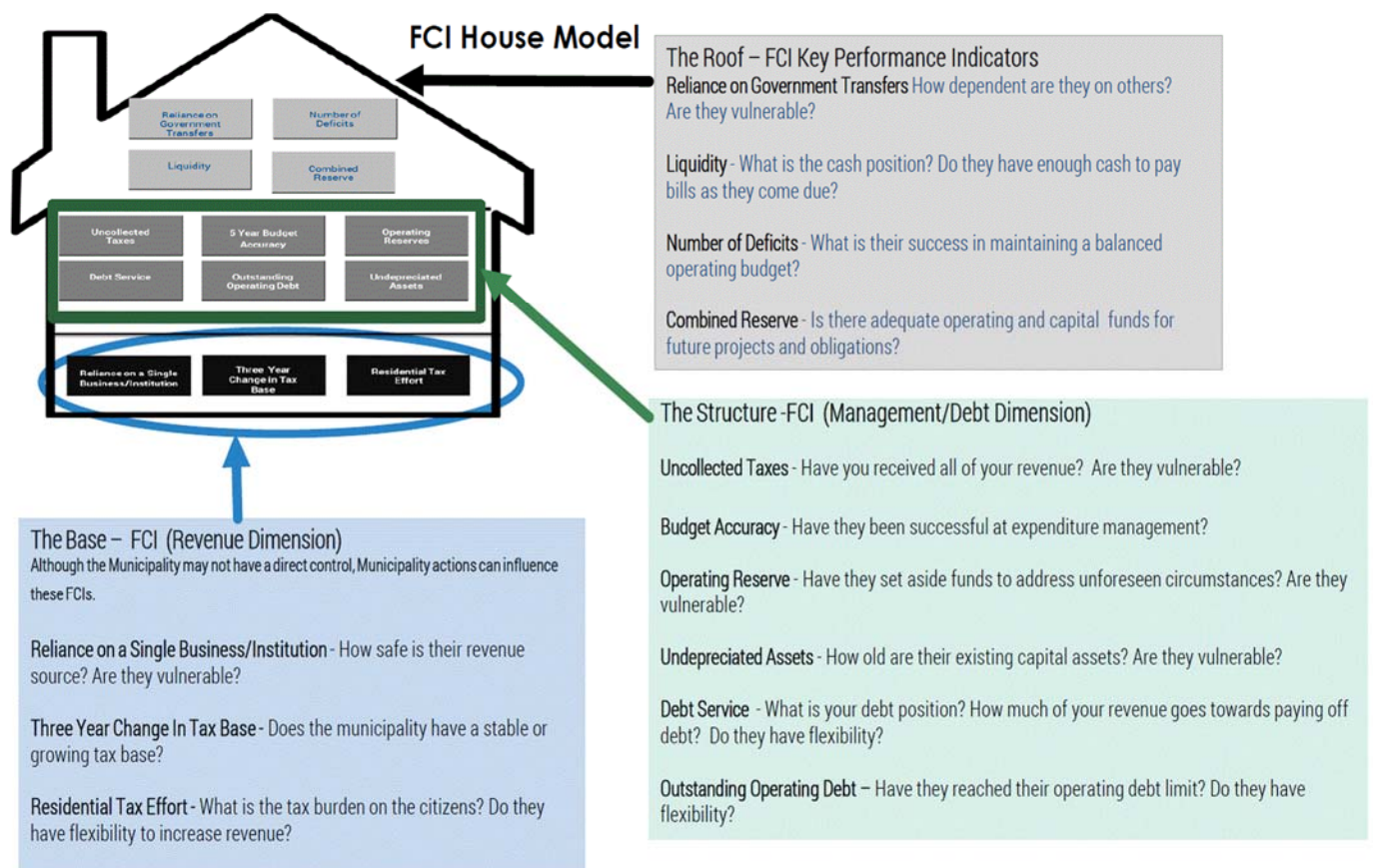
Based on the indicators related to municipal general operating expenses, the results show:



- The Municipality consistently maintained its expenditures within the budget limits.
- For four of the last five years, the Municipality has been able to meet its needs in a balanced manner and has maintained a balanced budget. In 2016, the Municipality experienced a 917.8k deficit.
- The Municipality is estimating to have 79.9% of useful life remaining in their capital assets.

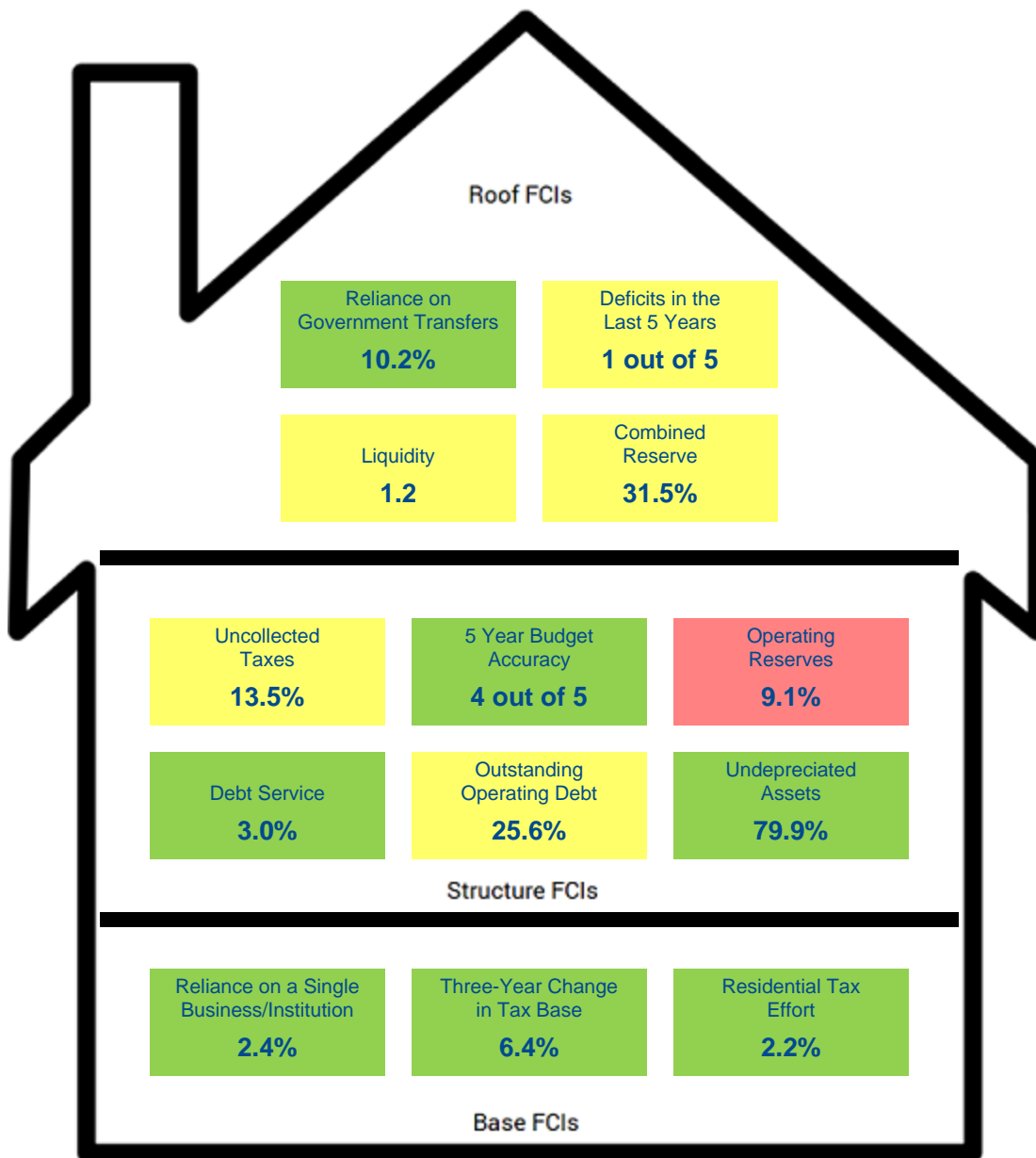
5 – FINANCIAL CONDITION INDICATORS

The Financial Condition Indicators (FCIs)⁶ were developed jointly by the Province of Nova Scotia, the Nova Scotia Federation of Municipalities (NSFM), and the Association of Municipal Administrators (AMA) to help present municipal financial information by condensing multiple sources of information into a single visual graph. This visual focuses on key performance indicators, leading financial indicators and potential internal and external factors that could have an impact on a municipality's financial results. The House Model below presents 13 Indicators organized into three dimensions: base, structure and roof.



⁶ FCIs are based on non-consolidated data.

Each of a municipality's indicators is assessed against risk thresholds: low risk (green), moderate risk (yellow) and high risk (red). This provides a quick visual of a municipality's strengths and possible areas where a municipality may want to focus its attention. The County of Cumberland has seven indicators assessed at low risk (well within the recommended threshold), five indicators assessed at moderate risk and one indicator assessed at high risk.



Before you can understand a municipality's situation, it is important to understand what the indicator is measuring and the potential risks identified. For example: for a municipality with a three-year change in tax base lower than the threshold, this could indicate that assessments are growing slower than inflation. A negative percentage for this indicator indicates a decrease in assessment value, which could indicate serious economic concerns in the region.

Please note that FCI results serve as an analytical tool to help identify the need for additional inquiry and/or action. Reviewing the direction, the FCI is moving can serve as an early warning. Assessing the results in relation to strategic decisions can also help an individual understand risk tolerance and potential mitigating factors.

It is important to understand that reaching or exceeding a threshold does not necessarily mean a municipality is in danger. The red colour indicates that a high risk has been identified. When this occurs, it is critical that this indicator is reviewed, along with additional inquiry or analysis. The additional analysis needs to consider mitigating factors that are causing the trend or other factors that could help neutralize the risk.

The next section provides more in-depth information.

The Base FCI Indicators

Reliance on a Single Business/Institution

Calculation	Risk Thresholds	
<u>Taxable assessment value of the largest business or institution</u> Uniform Assessment	Low	Less than 10%
	Moderate	10% to 15%
	High	Greater than 15%

2018 Results: The largest single commercial or institutional account is only 2.4% of the Municipality's total Uniform Assessment. Assessed as a low risk.

What does it mean? The Municipality's tax base is not dependent on one single business or institution. The Municipality is not showing vulnerability in this area.

Three Year Change in Tax Base

Calculation	Risk Thresholds	
<u>Current Uniform Assessment-Uniform Assessment 3 Years Prior</u> Uniform Assessment 3 Years Prior	Low	Equal or above CPI % Change
	Moderate	Below CPI % Change, but not negative growth
	High	Negative growth

2018 Results: 6.4% growth which is above the CPI % change (4.4%). Assessed as a low risk.

What does it mean? Growth is above the CPI % change. The Municipality's tax base is strong to cover the cost of municipal services and programs.

Residential Tax Effort

Calculation	Risk Thresholds	
<u>Total residential tax revenue per dwelling unit</u> Median Household Income	Low	Less than 4%
	Moderate	4% to 6%
	High	Greater than 6%

2018 Results: 2.2% of median household income is required to pay the average tax bill. Assessed at a low risk.

What does it mean? This Indicator enables the Council to assess the affordability of the Municipality's taxes in relation to the current service levels. This result shows the Municipality has some flexibility to increase the taxes if required.

The Structure FCI Indicators –Management Dimension

Uncollected Taxes

Calculation	Risk Thresholds	
$\frac{\text{Total Cumulative Uncollected Taxes}}{\text{Total Taxes Billed in Current Fiscal Year}}$	Low	Less than 10%
	Moderate	10% to 15%
	High	Greater than 15%

2018 Results: 13.5% Assessed as a moderate risk.

What does it mean? The Municipality is experiencing some challenges in their tax revenue collection. Failure to effectively collect taxes could significantly impact cash flow and hinder the Municipality's ability to provide services.

Undepreciated Assets

Calculation	Risk Thresholds	
$\frac{\text{Total Net Book Value of Capital Assets}}{\text{Gross Costs of Capital Assets}}$	Low	Greater than 50%
	Moderate	35% to 50%
	High	Less than 35%

2018 Results: 79.9% Assessed as a low risk.

What does it mean? Municipalities across Canada are facing sufficient infrastructure challenges. This indicator estimate 79.9% of useful life is remaining in the municipality's capital assets. The Municipality is experiencing less of an infrastructure challenge than other municipalities.

5 Year Budget Accuracy

Calculation	Risk Thresholds	
$\frac{\text{Total budget expenditures}-\text{Total actual expenditures}}{\text{Total budget expenditures}}$	Low	5 out of 5 years, expenditures within +/- 5% or expenditure and revenue variances within +/- 5% of each other
	Moderate	4 out of 5 years, expenditures within +/- 5%
	High	Less than 4 out of 5 years, expenditures within +/- 5%

2018 Results: For four of the last 5 years, the Municipality's actual expenditures were within +/- 5% of budget. Assessed at a low risk.

What does it mean? For four of the last five years, the Municipality consistently maintained their expenditure spending within the budget limits. In 2014, the Municipality's actual expenses were 5.9% less than budget; however, the Municipality's actual revenues were 1.9% less than budget. The variance between revenue and expenses is 4%, which is within the within +/- 5% of budget.

The Structure FCI Indicators – Debt and Reserves

Debt Service

Calculation	Risk Thresholds	
$\frac{\text{Principal and Interest Paid on Long-term Debt}}{\text{Total Own Source Operating Revenue}}$	Low	Less than 10%
	Moderate	10% to 15%
	High	Greater than 15%

2018 Results: 3.0% Assessed as a low risk.

What does it mean? 3.0% of the Municipality's revenue is spent on principal and interest payments. Provided the municipality has adequate cash flow, it appears the Municipality has flexibility to increase borrowing levels to help finance future capital expenditures.

Outstanding Operating Debt

Calculation	Risk Thresholds	
$\frac{\text{Total Outstanding Operating Debt}}{\text{Total Own Source Revenue}}$	Low	Less than 25%
	Moderate	25% to 50%
	High	Greater than 50%

2018 Results: 25.6% Assessed as moderate risk.

What does it mean? In addition to long-term debt, the Municipality is carrying significant operating debt. The amount is still within the legislative guidelines.

Operating Reserve

Calculation	Risk Thresholds	
$\frac{\text{Total Operating Reserve Fund Balance}}{\text{Total Operating Expenditures}}$	Low	Greater than 20%
	Moderate	10% to 20%
	High	Less than 10%

2018 Results: 9.1% Assessed as high risk.

What does it mean? This Indicator provides the value of funds set aside for planned future needs, to smooth expenses or for unexpected expenses. This result indicates the Municipality is not setting aside sufficient funds to help mitigate any unforeseen risks or future need.

FCI- Key Performance Indicators- the ability to meet current and future needs in a balanced and independent manner

Reliance on Government Transfers

Calculation	Risk Thresholds	
$\frac{\text{Total Government Transfers}}{\text{Total Revenue}}$	Low	Less than 15%
	Moderate	15% to 20%
	High	Greater than 20%

2018 Results: 10.2% Assessed as a low risk.

What does it mean? This Indicator implies the Municipality is not significantly dependent on another level of government to meet their service obligations.

Number of Deficits in the Last 5 Years

Calculation	Risk Thresholds	
The number of non-consolidated operating deficits in the last five years.	Low	None in the last 5 years
	Moderate	One or more in the last 5 years
	High	One or more in the last 2 years with one material (0.5% of operating expenses)

2018 Results: Municipality has experienced one operating deficit in the last five years. Assessed as a moderate risk.

What does it mean? Deficits are important indication of financial health and a municipality's ability to maintain a balance budget. This result indicates the Municipality has experienced one deficit in the last five years. In 2016, the Municipality experienced a 917.8k deficit.

Liquidity

Calculation	Risk Thresholds	
$\frac{\text{Total Current Financial Assets}}{\text{Total Current Liabilities}}$	Low	Greater than 1.5
	Moderate	1 to 1.5
	High	Less than 1

2018 Results: 1.2 Assessed as a moderate risk.

What does it mean? Liquidity is key to financial performance. Low liquidity can indicate a cash flow problem and may indicate a concern in other areas such as revenue collection.

Combined Reserves

Calculation	Risk Thresholds	
<u>Total Operating and Capital Reserves</u> Total Operating Expenses plus Amortization Expense	Low	Greater than 40%
	Moderate	30% to 40%
	High	Less than 30%

2018 Results: 31.5% Assessed as a moderate risk.

What does it mean? Reserves are critical components of a municipality's long-term sustainability. The Combined Reserves Indicator shows the value of the funds held in the reserves compared to a single year's operation including amortization expenses. This result indicates the Municipality does not appear to have sufficient reserves needed to address unexpected events or provide flexibility to address future projects.

APPENDIX I – ADDITIONAL RESOURCES

Nova Scotia Government's Open Data Portal

Nova Scotia Government's Open Data Portal officially launched on February 5, 2016. This portal provides access to various government data in a free, accessible, machine-readable format. The financial datasets currently published through the Nova Scotia Government's Open Data Portal are:

- Financial Condition Indicators by Municipality;
- Municipal Contributions to Roads
- Municipal Fiscal Statistics- Consolidated Revenues and Expenses by Municipality;
- Municipal Fiscal Statistics- Operating Fund Summary of Revenue and Expenses by Municipality;
- Municipal Fiscal Statistics- Operating Fund Expenses -10 Year Summary;
- Municipal Fiscal Statistics- Operating Fund Revenue -10 Year Summary;
- Municipal Property Tax Rates;
- Nova Scotia Power Grant In Lieu; and
- Uniform Assessment.

Open Data Portal Link: data.novascotia.ca

Municipal Website

A municipality's website can be a helpful resource to access various financial information. Currently, most municipal websites provide:

- audited Financial Statements
- approved Operating Budget
- quarterly municipal expense report
- quarterly municipal hospitality expense report

Cumberland Website: Cumberlandcounty.ns.ca

About Us

For more information, support in action plan development or to obtain a guide on action plan development, please contact:

Katharine Cox-Brown
 Director, Municipal Finance and Operating Grants
 Municipal Finance & Operating Grants
 Department of Municipal Affairs

Katharine.Cox-Brown@novascotia.ca

902.424.4643

